# INTERNATIONAL CONFERENCE ON

# BITCOIN & BLOCKCHAIN

# SUMMIT - 2018

## MAY 24-25, 2018 | TORONTO, CANADA

BITCOIN

# STAR CONFERENCES

# SCIENTIFIC PROGRAM

| TIMINGS | MAY 24 DAY 1 : SPEAKER TALKS |
|---|---|
| 8.00 – 8.30 AM | REGISTRATIONS |
| 8.30 - 9.00 AM | **OPENING CEREMONY** |
| 9.00 – 9.25 AM | Solving the old and new social challenges through "The Democratization of Money"- Alejandro Sewrjugin |
| 9.25 – 9.50 AM | Consensus is Oligarchy, Consent is Liberty- Kevin Alexander Paul Kirchman |
| 9.50 – 10.15 AM | RegTech – Use of Blockchain Technology in AML Compliance - Jack J Bensimon |
| 10.15 – 10.40 AM | Rationalizing Irrational Markets - Don't Let FUD Control Your Investments - Jacqueline Kim Perez |
| 10.40 – 11.05 AM | **SCIENCE CAFÉ  10.40  - 11.05 AM** |
| 11.05 – 11.30 AM | BlockChain in the Health Care- Rajeev Singh |
| 11.30 – 11.55 AM | Blockchain 3.0 and Decentralized Applications (From list, its Decentralized |
| Applications)- Sanjay Parihar | Crossing the Cryptocurrency Chasm - Bob wood |
| 11.55 – 12.20 PM | Crossing the Cryptocurrency Chasm - Robert A. Wood |
| 12.20 – 12.45 PM | PLAAS : Farms Management System \| Limited Proof of Extinction - Mrs. alakanani itireleng |
| 12.45 – 13.30 PM | **LUNCH BREAK  12.45  - 13.30 PM** |
| 13.30 – 13.55 PM | CryptoSecurity Consultant- Joshua Stinson |
| 13.55 – 14.20 PM | The Blockchain of the Future- Ronny Boesing |
| 14.20 – 14.45 PM | How to bring innovation and improvement the worldwide SME purchasing and supply chain processes. How can we develop big Aviation players businesses by using the Blockchain- Maxime Legros, Richard L. Williams |
| 14.45 – 15.10 PM | **SCIENCE CAFÉ  14.45 - 15.10 PM** |
| 15.10 - 15.35 PM | The War Between Bitcoin and Bitcoin Cash- Yudungo Edwin |
| 15.35 - 15.55 PM | What Innovation-Thinking, Blockchain/Cryptocurrencies, and more can help us achieve- Tian Zhao |
| 15.55 - 16.20 PM | Global mining cryptocurrency backed by Real Estate investments - Manpreet Singh ,Gurpreet Kaur |
| 16.20 - 16.45 PM | CONFERENCE GIFTS |
| 17.10 - 17.35 PM | **CONFERENCE GIFTS** |

| TIMINGS | MAY 25 DAY 2 : SPEAKER TALKS |
|---|---|
| 8.00 – 8.30 AM | REGISTRATIONS |
| 8.30 - 9.00 AM | **OPENING CEREMONY & GROUP PHOTO & SPEAKER VOUCHER AWARD** |
| 9.00 – 9.25 AM | New-gen crypto-Nets- Giuseppe A Gori |
| 9.25 – 9.50 AM | OoLeda Framework vs Blockchain - Technical Solutions for Automated Business Trust Protocol- Dr Gang Chen |
| 9.50 – 10.15 AM | Cryptocurrency Mining Facility Design and Implementation- Ray Bursey |
| 10.15 – 10.40 AM | Secure System for Crypto Currencies based on Virtual Accounts and Virtual Currencies- Sead Muftic |
| 10.40 – 11.05 AM | **SCIENCE CAFÉ 10.40 - 11.05 AM** |
| 11.05 – 11.30 AM | Wild Wild West of ICO's has come to end, Regulated Tokens ( the year of TAO)- Oscar Jofre |
| 11.30 – 11.55 PM | Experiences in developing Blockchain Solution for Energy Services Industry on Ethereum Platform - Dronamraju, Srinivasa Raju |
| 11.55 – 12.20 PM | An intelligent healthcare currency can reduce cost of healthcare administration and cut fraud, waste and abuse- Pradeep Goel |
| 12.20 – 12.45 PM | Blockchain and the music industry and Hacker meets Security- Joshua Hiwat, Phill Tevreden |
| 12.45 – 13.30 PM | **LUNCH BREAK 12.45 - 13.30 PM** |
| 13.30 – 13.55 PM | Towards a faster Bitcoin network-Muntadher Sallal |
| 13.55 – 14.20 PM | How to Send Funds to any GPS Location and Securely Pay for Goods using the Blockchain.-Claude Jr. Belizaire |
| 14.20 – 14.45 PM | KIDNER- A worldwide Decentralized matching system for kidney transplants.-Sajida Zouarhi |
| 14.45 – 15.10 PM | The future of Blockchain Technology- Rezig Zain Laabidine |
| 15.10 - 15.35 PM | **SCIENCE CAFÉ 15.10 - 15.35 PM** |
| 15.35 - 15.55 PM | Blockchain as an enabler for a Global ID- Sashien Godakandae |
| 15.55 - 16.20 PM | Open Blockchain Platform : Open chain Global- Choi Namkyu |
| 16.20 - 16.45 PM | TIIQU-Decentralized Professional Passport Empowering Independent Work-Laura Degiovanni |
| 16.45 - 17.10 PM | **AWARDS CEREMONY & GALA DRINKS** |

# ⭐ STAR CONFERENCES

*The International Conference on Robotics and Artificial Intelligence Conference will introduce to you a comprehensive agenda of Expert Professionals, Sponsors, Exhibitors and Students who will guide delegates through a programme of informative and insightful plenary sessions.*

*Examples of Novel Ideas and best initiatives will be showcased which delegates may feel appropriate to adopt as part of their own support provision. There will be ample opportunity to question, discuss and debate the progress made with improvement, as well as share stories and experiences with the conference to contribute to the wider thinking for welfare of human mankind.*

## INTERNATIONAL CONFERENCE ON BLOCKCHAIN & BITCOIN

# Welcome Note



Dear Attendees,

Let me begin by quoting the legendary Francis Bacon: "Reading maketh a full man; conference a ready man; and writing an exact man".

STAR Conferences strives to spread knowledge and create amazing platforms for like-minded professionals to validate their ideas while interacting with their colleagues face to face. Today is a very special day in the short, yet significant existence of STAR Conferences.

STAR Conferences (Scientists Talk About Research) is passionate in connecting with leading experts in the latest technologies, and providing a means for them to communicate in person. Our aim is to create a process by which individuals, and companies can connect, communicate, and complement each other's research, ultimately for the good of humankind. Creating, building and executing cutting edge research will maintain your knowledge up to date and your thoughts informed.Connections among individuals, entrepreneurs, and business owners may help in creating and building a steady stream of leads, prospects and finally sales. Complementing each other's research and cooperating with each other may also help businesses deploy their products faster and improve the awareness of their brand with potential customers.

On behalf of STAR Conferences, I welcome you to our Toronto conference and I hope you will enjoy a productive time.

Kind Regards,
Giuseppe A. Gori
1st degree connection 1st
CEO, Gorbyte Inc.
Gorbyte Inc. Università di Pisa Ontario, Canada

# BLOCKCHAIN & BITCOIN
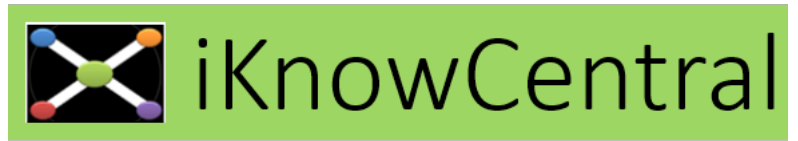
## Solving the old and new social challenges through "The Democratization of Money"

**Alejandro Mario Sewrjugin**

Affiliation: PhiEconomy, a New Theory of Value for the CryptoEconomy & Post-Capitalism Era.

### INTRODUCTION:

Robotization & artificial intelligence will wipe out 80% of current jobs. Climate change effects are having profound impact in the way we live and do business. United Nations and the World Bank have issued warnings in the last two years about the increase in poverty, inequality, unemployment. The World is changing dramatically and our system of belief is at risk or even our future as specie. We need a new center for our lives, different from the current notion of "work". How Blockchain & the CryptoEconomy can help us to face this challenge?

### AIM:

Provide a new vision, a new way to think about our system…even about ourselves…based on the CryptoEconomy (Blockchain & Cryptocurrencies).

### MATERIALS AND METHODS:

A research has been conducted by Alejandro Sewrjugin, in the last 5 years, analyzing the possibilities & capabilities of Blockchain & Cryptocurrencies applied to social behavior & social needs. Exploring the very nature of how a new decentralized system can impact the way we conduct businesses, the economy, our social relationships and, ultimately, ourselves as a specie. More than 150 books & publications -integrating subjects such as Philosophy, Sociology, Economy, Technology- were used for this investigation -starting from "On the Nature of Things" from Lucretius (50 B.C.E) to "Blockchain Revolution" from Don & Alex Tapscott (2016)-.

### RESULTS:

With the unemployment growing faster due to automation, robotics, artificial intelligence and with 1.5 Billion of employed people living in extreme or moderated poverty (about 40% of total global working population), migrations happening around the World due to economic, climate and political challenges, it is time to re-think & revise the fundamentals of our social system: the notion of "work", "profit" and even "capitalism" as we think of it today, should be modified. As a result, PhiEconomy provides a new economic framework, a new theory of value, to make possible an alternative, a new way to create bonds between humans at a global level, to gather & generate a new concept for "value" to our Society.

### CONCLUSIONS:

Distribution of resources & wealth at the Global Level, plus money issuing are the two main responsibles or key factors for the main challenges we are facing (poverty, inequality, climate change and others).
Economic, Financial & Monetary policies are mere techniques or approximations to "value", trying to mitigate "artificially" the fundamental problem provoking all of this: money is issued without something "real" sustaining it. It is totally disconnected from the value created by each human being. A company or a State alone will not be able to resolve this. We need a new global & decentralized system to drive a new concept for "value" -and the "Blockchain" as a concept can be the main driver- and "money" functioning as a reward -money being issued according to the value created by each person in real time, enabled by global platforms for transactions-. Internet had democratized the access to information, CryptoEconomy -Blockchain & Cryptocurrencies- can help us "democratize" the access to money at the global level and confront the global challenges successfully. A new type of Economy, focused & centered on people & purposes -an evolution of the triple impact notion: people, planet & profit-. This will enable us to find daily "purposes", "occupations" and a new meaning of what value is for all of us. This is what PhiEconomy is all about, a "new theory of value" and the result of this work.

### KEYWORDS:

Bitcoin; Blockchain; CryptoEconomy; Money; Democratization; Social; PhiEconomy

### BIOGRAPHY:

Alejandro Sewrjugin is a serial entrepreneur -25 years in the Tech sector-, speaker & philosopher. Recognized by INC Latinamerica Magazine in 2012 as one of the TOP 50 Entrepreneurs in Argentina of all times. Author of two books: "Understanding the Bitcoin: The Technology Transforming our World" and "Essential Principles on PhiEconomy: A Path to Abundance". He works with organizations such as SAP, United Nations, Argentina's National Government, Buenos Aires's City Government, Singularity University, Endeavor to drive change through disruptive technologies. He holds a B.A degree from University of Buenos Aires and member of the Buenos Aires Economic Sciences Professional Organization.

### Citation:

https://www.zenodo.org/record/1184433#.WpPgA4NubIU

### Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::2b71100189cc35392180e841cc1fae0b

# BLOCKCHAIN & BITCOIN

## RegTech – Use of Blockchain Technology in AML Compliance

**Kevin Alexander Paul Kirchman**

Affiliation: CEO at Worldfree Software Corporation, Ltd, Switzerland

### INTRODUCTION:

Worldfree's primary aim is to build a free and more effective business network using an advanced and stable asset-backed cryptocurrency, in a virtual world accessed through natural language (normally-spoken language, initially English, but later multi-language). The company's origin as a software developer with commercial software systems sold to many G200 companies for searching and delivering direct answers to questions from live, unstructured text is a value when brought to the cryptocurrency field. Yet, there are other pressing problems with the blockchain technology that preclude its use as a vehicle for introducing Worldfree's proprietary natural language reasoning technology. Chiefly, the blockchain is not a scalable technology, and the consensus method of decision-making often touted as an advantage, is in fact a disadvantage, as this White Paper discusses. There are better, more just, rational and equitable methods for decision making. The cryptocurrencies themselves suffer from economically poor design in general.

First among uses of currencies is as a medium of exchange. But as a consequence of their success, and early-stage design, today's currencies are massively deflationary , if not generally unstable. As they rise in price (as if successful equities), their purchasing power likewise increases. This is seemingly good for owners, and encourages holding cryptocurrencies, but not spending them. The crypto- economic world is thus stifled. Just as modern central bankers make great efforts to avoid deflationary environments because they stunt economies, a cryptocurrency must be designed to be a more functional alternative than fiat currencies, so that daily use for buying and selling other items is encouraged as a practical alternative currency for normal business needs. Worldfree's FreeMark is a new cryptocurrency to be introduced in 2018 that will eventually have 100% backing, automatically pegged by the Atomic Central Bank ® to a basket of 20 commodities. It can be immediately converted into most other currencies or used to purchase goods and services on the Worldfree Network.

Holding it should deliver an increase in ownership on an average balance, correlated to the absolute value of the growth of the money supply. Thus it works contrary to normal fiat currencies, where increases in money supply reduce value; with the FreeMark they receive more of them at the same value. Worldfree also introduces Nodechain technology, which is different than a blockchain because it does not store transactions system-wide. It operates in a massively parallel architecture, and file sizes per node are anticipated at less than 500kB, with a 20X redundancy factor, irrespective of the network's size .

Transactions on the Nodechain network can be processed predominantly on the participating parties' systems, with an effectively randomly-selected node updating the coin ownership, accessed through a function of a hash pointer. The patent-pending Nodechain still fulfils the design requirements to eliminate double spending, with greater security and better privacy, overcomes the limitations of the consensus paradigm, and processes transactions in seconds for each participant, irrespective of network size. It is distributed with redundancy, using extent-based parallel access. The Worldfree Network utilizes a cryptocurrency foundation engineered for prime-time and mass adoption, with a better designed economic and technological foundation.

### Citation:

https://zenodo.org/record/1243047#.WvBXtHWWZCU

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# BLOCKCHAIN & BITCOIN

## RegTech – Use of Blockchain Technology in AML Compliance

**Jack J. Bensimon**

Affiliation: Black Swan Diagnostics Inc. / Blockchain Financial Services Institute.

### INTRODUCTION:

Blockchain technology provides disintermediation and transparency using distributed ledger technology (DLT). This enables unique cost-saving opportunities in the blockchain space to shore up operational efficiencies in monitoring for AML (Anti-Money Laundering) regulatory compliance and enforcement.

### AIM:

To evaluate and discuss the use, merits and limitations of blockchain technology in providing significant cost savings for regulated financial institutions including banks, credit unions, asset managers, and money service businesses.

### MATERIALS AND METHODS:

A PowerPoint presentation (length dependent on time available for the presentation and/or panel) to provide the context and visual backdrop. Various business case studies will be examined to support the user case stemming from clients that we've advised in the financial institution space in the area of AML regulatory compliance.

### RESULTS:

Although blockchain is a new and emerging technology, we can use existing business case studies to show operational inefficiencies and how they can be reduced while enhancing accuracy rates. This can generate more accurate screening, data mining and analytics, enhanced trust, faster delivery, lower compliance monitoring costs, and improved customer and compliance staff experience. Other wider enterprise-wide and industry benefits include but are not limited to, aggregating and automating immutable data to streamline feeds for regulators and other stakeholders. Some regulators still use paper-based forms via PDF to collect KYC information from their registrants, an inefficient and costly means of tracking and monitoring data. The use of DLT will improve the speed and quality of regulatory review since the need for reconciliation is eliminated.

### CONCLUSIONS:

Blockchain technology will yield significant operational cost savings in the area of AML regulatory compliance and enforcement. It will reduce manual labor costs, error rates, and false positives across the AML regulatory spectrum.

### KEYWORDS:

Blockchain technology, AML, Anti-Money Laundering (AML), Regulatory Compliance, Counter-Terrorist Financing (CTF), FinCEN, FINTRAC, AML Regulatory Compliance, Regulatory enforcement, compliance enforcement, blockchain applications in compliance

### BIOGRAPHY:

He is a Managing Director of Black Swan Diagnostics Inc., a regulatory compliance advisory firm in the downtown Toronto financial district. He co-founded the Blockchain Financial Services Institute (BFSI). Jack is a seasoned securities law / banking law professional in the securities industry. He advises banks, broker-dealers, MSBs, ATS, regulators, trust and insurance companies, Portfolio Managers, Exempt Market Dealers, Investment Fund Managers, mutual fund dealers, energy companies, fintech companies, robo-advisers, software providers and issuers. He has registered various entities with the OSC/IIROC, spanning PM/IFM/EMD licenses. He provides ongoing and interim CCO/CAMLO regulatory compliance services to various regulated financial entities.

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## Rationalizing Irrational Markets - Don't Let FUD Control Your Investments

**Jacqueline Kim Perez**

Affiliation: Program Manager at ? Victory Square Technologies? & ? Blockchain Assembly

### INTRODUCTION:

While Bitcoin is the most recognizable, there are more than 1,500 current cryptocurrencies available. We are a few years away from real adoption. Price fluctuations are nothing compared to the long term vision and bigger picture. I wanted to share my knowledge and experience on crypto investing.

### AIM:

Global adoption is a common goal, but to get there we need to do a better job of educating the mass audience.

### MATERIALS AND METHODS:

This is the golden list of rules I set in place for myself that I look for when investing into ICOs and cryptocurrencies:

1. INVEST ONLY WHAT YOU CAN AFFORD TO LOSE - Set long term and short term goals.

2. Read the whitepaper - Does the business model make sense? Look at the token economy, the distribution and use of tokens.

3. Does the project have an existing and working product that solves a real world problem?

4. Look at the team & advisors - What skill sets and experience does each member have?

5. Is there a road map - Has the team delivered and executed timelines?

6. Look at the market cap - How much is the team trying to raise?

7. Milestones - Look at partnerships in place, agreements, PR, and marketing.

8. Community - How large, knowledgeable, and supportive are the admins and community? Look at the social media channels.

9. DO YOUR OWN RESEARCH - Surround yourself with people who are smarter than you - Join blockchain communities and ask questions.

10. Add value to the community of projects you believe in - Write articles, create videos, welcome and educate newcomers, and correct misinformation spread by others with sources.

11. Do not trust media and headlines (FUD & FOMO) - Media is uneducated in the space and as you've seen has caused people to panic. Do not trust random links, unfamiliar emails, and social accounts on any platforms - There are several scams. Protect your accounts, back-up all of your private keys, and get a hardware wallet.

12. Remember why you got into crypto in the first place.

13. BE PATIENT - The end result will be rewarding. We are part of a movement that will change history forever. The market is emotional - If you truly believe in the projects you invested in, stick to your gut.

### RESULTS:

It's simple. Do your research, be patient, ignore the noise, and trust your gut in the blockchain projects you truly believe will shape and change the future.

### CONCLUSIONS:

Blockchain technology will yield significant operational cost savings in the area of AML regulatory compliance and enforcement. It will reduce manual labor costs, error rates, and false positives across the AML regulatory spectrum.

### KEYWORDS:

Cryptocurrencies, Blockchain, Token Sale, Investing, Speculation, ICOs, Regulation, Education, Women, Whitepapers, Community, Roadmaps, FUD, FOMO, HODL, Disruption, Research, Market, Volatile.

### BIOGRAPHY:

One of the women helping lead Vancouver's rise to prominence in the global Blockchain industry, Jacqueline is an entrepreneur, crypto-enthusiast, and the Program Manager of Victory Square Technologies and Blockchain Assembly. She has extensive experience in the technology sector with expertise in blockchain, cryptocurrencies, public companies, sales, marketing, event planning and management. She is a huge proponent of blockchain technology and believes it will transform the global market, change the way we transact value, and streamline a host of industries by facilitating trust and transparency between entities.

### Citation:

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## BLOCKCHAIN IN HEALTH CARE

**RAJEEV SINGH London, UK E6 3DT**

Affiliation: TECHNICAL ARCHITECT/DEVELOPER

### INTRODUCTION:

Extensive experience in R&D, Product Development, Engineering and Quality Control

~ High-energy leader known for jump-starting product development, quickly solving problems and delivering results ~

Creative, results driven technology leader with more than 12 years of proven IT experience. Change agent and quickly problem solver with passion for technology; skilled in grasping big picture, conceptualizing, developing, implementing solution, partnering closely with product leader. Excels in development and motivating highly focused teams that successfully meet and exceed company objective. The amount of healthcare data recorded electronically has increased in recent years. Clinical and nonclinical user including doctors, researchers and educators can apply to medical data storage organizations and access medical data in databases for legitimate purposes easily. While this brings some obvious benefits and convenience to our daily life, troubles also come. The most concerning problem is whether patients personal information contained in healthcare data recordings are likely to be compromised. Though several measures have been implemented in current medical data access systems to protect the patient's information security, such as using the trusted third party to verify the identity of data access applicant, the risk of lost information and invasion of privacy are still high. After success of Bitcoin, a novel, decentralized Electronic Health Records (EHRs), using blockchain technology and gives patients a comprehensive, immutable log and easy access to their medical information across providers and treatment sites with unique blockchain properties and manages authentication, confidentiality, accountability and data sharing, crucial considerations when handling sensitive information. Also enables the emergence of data economics, supplying big data to empower researchers while engaging patients and providers in the choice to release metadata. The main goal of using the blockchain technology to create and implement the distributed network to make sure users have better experience.

### KEYWORDS:

Blockchain, Healthcare, Patients Records, EHR, Confidentiality, Accountability, Data sharing etc.

### Education and Qualification:

Master in Computer Science (MSc) and Master in Business Application(MBA).

### Citation:

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## Blockchain 3.0 and Decentralized Applications (From list, its Decentralized Applications)

**Sanjay Parihar CEO, Kyndor Inc.**

### INTRODUCTION:

Current implementation of Bitcoin and Ethereum network is not ideal for Dapps as we are observing consistent congestion and higher transaction fees. DAPPS need much higher support of transactions, updates and operations than any of the popular established networks. Moreover, it needs to be able to handle better consensus mechanism to avoid the possibility of 51% attacks.

### AIM:

To find out the viable options for Blockchain 3.0 which is ideal for decentralized application.

### REQUIREMENTS FOR DAPPS & BLOCKCHAIN 3.0:

The solution must support the following principle.

1. No Micro-transactions fees because DAPPS could be from social application to knowledge exchange blogs.

2. Proven Scalability.

3. Immune from DDOS attacks.

4. Proven script or language support.

5. Economic Model should be modeled in such a way that the speculations can be avoided.

Dapps require stable financing for the longer terms and it can only be done through appropriate economic incentive structure.

### PROBLEMS WITH CURRENT ESTABLISHED BLOCKCHAIN & BITCOIN:

1. Congestion and higher fees on Bitcoin.

2. Secure but minimal support of the scripting.

3. It's not completely decentralized now as 60% of the transactions are handled through a few mining pools.

### ETHEREUM:

1. Congested during ICOs.

2. Crypto kitties blocked the whole Ethereum network and made it unusable.

3. Transaction fees.

### RESEARCH:

At present EOS and Cardano seems solving most of the problems. Steemit has implemented the robust no fees micro-transaction, DPOS consensus( practically more decentralized than BTC or ETH) and stake based resource allocation. Moreover great economic structure of having three separate currencies solves the major issues of speculations and encouraged the long term commitments with the platform. The above blockchains will solve most of the problem for Dapps. A better consensus mechanism is yet to define for the practical fully decentralization. DPOS is the closest one which relies on a fixed number of the block producers.

### CONCLUSIONS:

Choosing the right platform for the Dapps is extremely critical as it may lead towards complete failure of the projects. Any blockchain which works based on the above principle should be termed as Blockchain 3.0 and must be chosen in order to ensure the project success.

### KEYWORDS:

Dapps, Blockchain 3.0

### BIOGRAPHY:

Sanjay Parihar has completed Engineering degree from a renowned engineering collage (BIT) from India. He has overall 19 years of experience with architecting and building complex enterprise softwares from Financial, Federal and Other domains. His entrepreneurial venture has started with building MOOC in 2012. Later, he worked with? ? ParentRound.com? which has been acquired recently. His current venture, Kyndor inc, is working on building the Parents network over blockchain and encourage peer-peer communication with the fully data privacy. In addition, He is also a blockchain contributor for the CSA group.

### Citation:

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# BLOCKCHAIN & BITCOIN

## Crossing the Cryptocurrency Chasm

**Robert A. Wood**

Affiliation: Nexxus University – Cryptocurrency Education and Certification, TX 75093, USA

### INTRODUCTION:

Cryptocurrency is the next big disruptive technology that will change human culture and create new trillion-dollar industries. Although it is bigger than the personal computer and the Internet technology waves combined, it still shares the same characteristics of all new emerging technologies as they strive to move from the initial technical domain adoption to the mainstream adoption of the general public.

### AIM:

To analyze and evaluate the necessary requirements to take cryptocurrency from the digital Internet to local hometown communities worldwide.

### MATERIALS AND METHODS:

An exploration of historical technology disruptions will be introduced to better understand the maturation process and paths of adoption that are required by all new emerging technologies including cryptocurrency and its underlying distributed ledger technology.

### RESULTS:

Several recent technologies were evaluated including personal computers, graphical user interfaces, and the Internet to discover the parallel conditions that effected and perpetuated their mainstream adoption.

### CONCLUSIONS:

According to the results of this analysis, every new emerging technology provided value to the marketplace beyond their technical features to provide new and better solutions that obsoleted the establishment by empowering the end-user and removing non-value adding middlemen.

### KEYWORDS:

Cryptocurrency; Mainstream Adoption; Marketplace value; Coin Utility

### BIOGRAPHY:

Bob Wood was a senior technologist for over 25 years with both Ross Perot and Bill Gates companies and founded Shabang.com during the Internet gold rush, raising $15M and building it to a $200M corporation.

From 1998 to 2001, Mr. Wood served as the Chief Technology Officer and President & CEO for Shabang.com, an online e-commerce solution for merchants. Mr. Wood architected and built the first Internet product search engine that was the predecessor to Froogle, Amazon and eBay shopping.

From 1990 to 1995, Mr. Wood served as Senior Consultant and Developer with Microsoft Corporation. While at Microsoft he was responsible for assisting both the management and technical staffs of Fortune 500 corporations in understanding, architecting and constructing distributed application architectures.

### Citation:

https://zenodo.org/record/1203315#.Wq-zHHWWZCU

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## PLAAS- Farms Management System | Limited Proof of Extinction

**Mrs Alakanani**

### Abstract:

According to current forecasts, world agricultural production will have to increase by 70% by the year 2050 to meet the food demands of a world population of over 9 billion. The good news is that there is no need to invent anything new to respond to this challenge; instead, we need to realize the productive potential of different farmers by offering them with ways in which they can advertise their produce, reliable pesticides and fertilizers suppliers. Ways in which they can sell their products across the globe to different people of different choices.

### Problem Statement:

It is a matter of fact that some parts of the globe has a great and better outstanding of both crops, vegetables and meat production. Whereas statistics on the other shows a poor production of both productions and sometimes it is not that farmers don't know how to produce such products to feed or sell to their nations as well as other countries. It is because of the following outlined major problems.

### A. Stray Domestic Animals:

The problem of stray cattle on roads is not new to most of the whole world, and these animals often bring the flow of traffic on busy roads to a standstill along with major road accidents. Stray cattle roaming around freely in the cities have become a serious problem. The situation turns all the more worse at night when it becomes difficult for the drivers to spot stray animals due to darkness. These animals also pose problems to drivers; specially during the night. Vehicles usually move at a high speed on the roads thus posing more risk to lives of their occupants as well as stray animals. These abandoned animals can be spotted at many points in the city. Most cows roaming in the street of cities are not healthy cows; they do not live on grass or other hygienic foods. Most of these cows constantly eat food from garbage and leftovers. Even though it may not be obvious, many of them are actually have diseases or sick. So, eating their meat or drinking their milk is raising the health concerns.

### Citation:

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## CryptoSecurity Consultant

**Joshua Stinson**

Affiliation: Security Sense LLC NJ, 07065, USA.

### INTRODUCTION:

In the newly developing market of cryptocurrencies, the need to securely store and protect assets is of critical importance. Security Sense focuses on implementing security solutions and infrastructure for the custody of digital assets while minimizing attack surface.

### AIM:

To prepare and educate crypto hedge funds, family offices, and high net worth individuals about the importance and value of self-custodianship as well as proper cold storage.

### MATERIALS AND METHODS:

A focus on deep cold storage techniques using the newest available technology while also focusing on educating the client-base on how to navigate their crypto funds in a safe and secure environment.

### RESULTS:

Evaluate and asses areas of improvement including operational and physical security functionality of methods within the crypto space.

### CONCLUSIONS:

Crypto security is at the forefront of cryptocurrency custodianship. New techniques are developed and implemented to keep your digital assets safe from malicious actors. Adoption of these practices will inherently make the cryptocurrency universe a safer place to carry out business and personal matters. Therefore, it is vital for acceptance of these key basic principals to secure digital funds.

### BIOGRAPHY:

Josh Stinson is the Founder and Chief Security Officer of Security Sense LLC, a leading cryptocurrency security & cold storage provisions. He has a deep background in computer science and cryptography, with over 7 years experience implementing security solutions. Josh focuses his practice on helping digital asset funds reduce their attack surface area, and maintain obscurity. He implements a holistic suite of best in class security practices including cold storage custodianship, multi-signature authorization, redundancy controls, efficient private key storage, encrypted networks/communications as well as physical and operational security best practices.

### Citation:

https://zenodo.org/record/1227178#.Wt3kNHWWZCU

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# BLOCKCHAIN & BITCOIN

## The Blockchain of the Future

### Ronny Boesing

Affiliation: OpenLedger, Bloggers Club, OCASH, eDev, GetGame, Apptrade

### INTRODUCTION:

The speaker will present the concept of Blockchain Technology and Smart Contracts with emphasis on a real case example – OpenLedger ApS. The presentation will also emphasise on how individuals can use crowdfunding solutions in order to create their own tokens from scratch,and their own crowdfunding campaign. The real case example is given by the services offered by OpenLedger and their applicability in the process of token creation.

### AIM:

To present the applicabilities and advantages of using Blockchain Technology gained by OpenLedger ApS and future partners such as:

Better performance Removal of intermediaries Faster transactions Transparency and immutability (changes are viewable by all parties and can't be deleted) Lower transaction costs Durability, reliability and longevity (near impossible loss of data) User empowerment

### MATERIALS AND METHODS:

The materials and examples used in this presentation will be based on OpenLedgers' products and services with emphasis on BAAS (Blockchain as a service) and the services provided.

### RESULTS:

The results are reflected in the success that OpenLedger has had so far and in their supported crowdfunding Campaigns such as Crypviser, Centz and Karma plus the nearly foreseen projects such as OCASH, Getgame and eDev.

### CONCLUSIONS:

Knowledge transfer and transparency is of utmost importance. Therefore, OpenLedger is planning on providing and developing blockchain solutions together with their current and future partners.

### KEYWORDS:

Blockchain technology; Crypto-currency; Decentralised Exchange; OpenLedger; Smart Contracts; Crowdfunding; ITO/ICO;

### BIOGRAPHY:

Ronny Boesing is the Founder and CEO of OpenLedger ApS (www.openledger.info), the world's first blockchain powered conglomerate.Known as OpenLedger DC (Decentralised Conglomer-rate), the platform supports an ecosystem which includes the OpenLedger DEX and Open-Ledger's Crowdfunding Services. The OpenLedger DEX, www.openledger.io, or Decentralised Exchange, is a powerful trading platform, which was designed for high-speed transactions, allowing users to trade assets in real time, securely, and with ultra-low fees.

The OpenLedger DC currently supports many digital tokens including OBITS , BTSR, APPX, and REALITY. The OpenLedger DC also supports multiple companies who are hosted on the ecosystem, bene- fitting from Open-Ledger's Crowdfunding (ITO) services. OpenLedger's unique approach to crowdfunding supports each Token Crowdsale project from start to finish, with Marketing, PR, Legal and Administrative services, and they have many successful projects running ITOs on their BitShares tech based platform including BlockPay, Internet of Coins, AppTrade, and GetGame. With a reputation as a savvy internet marketer and financial geek, Ronny has always been in-spired by people who dare to go where others won't – in other words, a pioneer. Inspired by the persistence, drive and passion behind the crypto-pioneers, he was driven to learn all about cryp-tocurrency, eventually leading to the creation of OpenLedger DC. He most recently resigned his position of CEO of Coinsbank to concentrate full time on OpenLedger's future, but is making time to serve on the Official BitShares Committee Board.Ronny is in the last phases of developing the OpenLedger crypto debit card, and he – along with his team - are working full steam ahead, looking forward to the day that OpenLedger will stand out not only in volume of transactions, but in the increasing number of businesses joining the OpenLedger Crowdfunding Solutions (ITO) with their tokens available on the DEX.

### Citation:

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### Indexedin:

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# BLOCKCHAIN & BITCOIN

## Everything you need to know about the luxury access platform for "crypto-affluents"

**Julian Peh**

Affiliation: California University School of Medicine, CA 94305, USA.

### INTRODUCTION:

You coined the term "crypto-affluents". Can you define better who they are, and what potential they represent for luxury merchants? The total market capitalisation of all crypto-currencies have increased from USD 12 billion just 12 months ago, to USD 200 billion today. It is probably the best performing asset class in the last 2 years. This huge increase has minted a significant new group of affluent people who hold a lot of their new wealth in crypto-currencies. Contrary to popular opinion, not all crypto-affluent are programmers! The space is extremely vibrant and fast-moving and has drawn many new participants from bankers to professionals etc. And there are many different ways in which crypto-affluents created their crypto-wealth, from holding to trading to ICOs.

What is clear is that with the continued influx of capital into crypto-currencies, crypto-currency values and the numbers of crypto-affluents will continue to increase. This is a new community of possible customers luxury merchants simply cannot afford to ignore.

### BIOGRAPHY:

Aditus co-founder Julian Peh discusses how luxury merchants can reach out to this new community of customers. Julian Peh has a 15-year history of developing and launching luxury marketing platforms that include websites, apps, and rewards programmes. He previously founded and built Luxury Insider, which turned into one of the leading luxury portals in Asia before it was acquired by Singapore Press Holdings. He has also been co-founder and CEO of SERA, a rewards programme which has acquired rewards from over 100 luxury brand stores so far.

Amidst the growing interest towards blockchain technology, Peh co-founded Aditus, a decentralised luxury marketing platform for merchants to so-called "crypto-affluents." The platform allows customers to access Smart Invitations for products that are personalised and private but still targeted towards them. Through Aditus, clients can also access rewards programmes previously only available for credit card holders. In an exclusive interview with Singapore Business Review, Peh talks about how blockchain technology can be used to bridge gaps between luxury merchants and those wealthy with crypto assets. He also shares how security developments are improving the way luxury technology is being made and used.

### Citation:

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# BLOCKCHAIN & BITCOIN

**How to bring innovation and improvement the worldwide SME purchasing and supply chain processes. How can we develop big Aviation players businesses by using the Blockchain.**

**Richard L. William, Maxime Legros**
Affiliation: Co-Founder, Canada

## INTRODUCTION:

The GSC Aviation Marketplace wants to create a virtuous circle of relationships between purchasers and suppliers globally.

## AIM:

GSC Aviation aims to reduce time in processes and costs for purchasers which will permit them to focus on more value-added tasks for their company. At the same time, it will bring to big European and North American suppliers potential customers from emergent aviation markets such as Middle-East, Africa or Asia.

## MATERIALS AND METHODS:

Technical tools dedicated to the purchasers will permit the saving of precious time by providing them with a suppliers follow-up system within their work scope of suppliers. A detailed ID sheet on each supplier will permit buyers to integrate them a lot faster to their supplier portfolio. A e-sourcing module, with spare parts and services provided by referenced suppliers on the GSC Aviation database, will be fitted for all purchasers that the aviation area need to follow in terms of regulations.

A simplified rating system such as on Trip Advisor, will permit the purchasers to give a notation following the RFQ (Request For Quotation) which will enable the suppliers rated to appear on top or on the bottom of the list of the next purchaser RFQ.

On the other side we will also provide a rating system for the suppliers who will give good or poor notation of the purchasers regarding financial solidity, and if invoices are paid on time.

Finally, in parallel of this platform will be created the BC Reverse Auction Marketplace of GSC Aviation based on an ERC20 Token. For huge purchases and investments, big companies will be able to save time and money by letting GSC Aviation take care of the organization of the reverse auction all set by a smart contract

## KEYWORDS:

Blockchain Marketplace, Aviation Industry, Improvement of processes, Scale savings, Business development

## BIOGRAPHY:

**Maxime Legros** He has been working in the aerospace sector as a buyer for over 7 years. Curious, strategist, comfortable in relationships, he enjoys teamwork and project management.

Passionate about his job, he has developed skills through experience and has decided to resume his studies at age 33 to pass a professional degree of Industrial Purchaser/ Supply Chain Management alternately.

Once graduated from his degree in Purchasing and after started to give interest to the Blockchain and cryptocurrencies (in March 2017) and during a lunch with some US and UK suppliers, the GSC Aviation idea was born.

**Richard Williams** A long time internet enthusiast and web developer, Richard's first start up was an entertainment based website offering .mp2 encoded music for download in 1994. Richard has been involved in a number of successful web based ventures and has worked with fortune 100 companies like Microsoft and Comcast. Richard is the President and Co-founder of Wifidelity, a boutique .Net web development company. Wifidelity has developed and is currently licensing a Procurement data and tools platform to a successful membership based website. Richard became interested in blockchain in 2013 and has experience in Ethereum (Solidity) smart contract development.

## Citation:

https://zenodo.org/record/1234031#.WuOpCXXXZCU

## Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::fae69e56e5635ee029a03c69efd1e-9ae

# BLOCKCHAIN & BITCOIN

## The War Between Bitcoin and Bitcoin Cash

**Yuduo Zhang**

Affiliation: Investor

## INTRODUCTION:

The scaling debate in Bitcoin has been ongoing for years, and in fact, it has evolved into a war between Bitcoin and Bitcoin Cash. Which one is the real Bitcoin? Will one takeover? Can they co-exist? What is Bitcoin Cash actually? It's a very spicy topic in cryptocurrency and there is so much noise about this war. With my background in both Chinese and western cryptocurrency community, I will give a non-biased report on this war.

## AIM:

To give a non-biased report on the war between Bitcoin and Bitcoin Cash.

## MATERIALS AND METHODS:

Based on my research on the topic.

## RESULTS:

A non-biased report on the dispute between Bitcoin and Bitcoin Cash.

## CONCLUSIONS:

Both sides have valid arguments and their future remains to be seen.

## KEYWORDS:

Bitcoin, Bitcoin Cash, scaling, Segwit, lightening network, block size.

## BIOGRAPHY:

Yuduo has been investing in cryptocurrency and involved in both Chinese and western cryptocurrency communities. He got his Bachelor of Computer Science degree from the University of Waterloo. He worked as a software engineer before working on investment fulltime.

## Citation:

https://www.zenodo.org/record/1184522#.WpP5AlNublU

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https://www.openaire.eu/search/publication?articleId=od_____2659::56073cdc4bb10b99e53d0688e2e746b9

# BLOCKCHAIN & BITCOIN

## What Innovation-Thinking, Blockchain/Cryptocurrencies, and more can help us achieve!

**Tian-Yuan Zhao**

Affiliation: University of Toronto, ON M5S1A4, Canada

### INTRODUCTION:

The Sustainable Development Goals are humanity's greatest challenges and I believe that it's going to require a combination of systems-thinking, exponential-thinking, and design-thinking mindset to achieve those goals in a more efficient, expedient, and effective manner. Altogether I call this "Innovation-Thinking" and let's use this mindset to approach problem-solving in a "kill multiple birds with 1 stone" format; in short – this mindset is all about social innovation.

### AIM:

We're going to look at a combination of some of those SDGs (of-or-related to the environment and sustainability, the future of work, and the future of the way we'll be living) and apply innovation-thinking to see how things like blockchain, circular design, and suburbia fit together amongst others.

### MATERIALS AND METHODS:

A video will be shown describing the SDGs, then a brief introduction about why I'm focusing the talk on those 3 above areas – sustainability, future of work, and future of living. This will be followed up with an infographic describing what "innovation-thinking" is, which will then be proceeded by a discussion of methods we can apply. Methods will be a combination of systems-thinking tools such as "interconnectedness", "synthesis", "emergence", "feedback loops","causality", "systems mapping", design-thinking tools such as most notably "circular design", andexponential-thinking tools such as a personal invention – a chart that describes the relationship between business viability and technological viability in conjunction with how they fit in with-regards-to their timing. This chart will take into consideration of the "hype cycle". Other tools and methods may also be employed for this talk.

### RESULTS:

The startup I'm currently conducting research for which will be built to tackle this problem. I essentially aim to prepare us for a smarter, more efficient, and sustainable way of living, working, and relating to our environment in the future. This is inspired in part by this.

### CONCLUSIONS:

How can we get there from today but all the while – by staying lean and agile? The answer will be presented at the end.

### KEYWORDS:

Design-Thinking, Exponential-Thinking, Systems-Thinking, Lean, Agile, Hype, Blockchain, Cryptocurrencies, Circular Design, Suburbia

### BIOGRAPHY:

Tian-Yuan Zhao has an educational background in Industrial/Systems Engineering, is a digital product design by trade, and has dedicated his early career to the realms of blockchain, design, and all within the context of international experience, entrepreneurship, and social innovation. Some of his relevant accomplishments include writing for CoinTelegraph, winning 3 rd place at Blockgeek's inaugural hackathon with the team Arkilio, working at Privacy Shell with Toufi Saliba, being recognized by the UXPA, Facebook, and Skillshare for his design work, and being embedded within strong entrepreneurial communities such as – The Thiel Foundation and 1517 Fund communities, Fireside, The Next 36, the Centre for Social Innovation, and the Blockchain Research Institute.
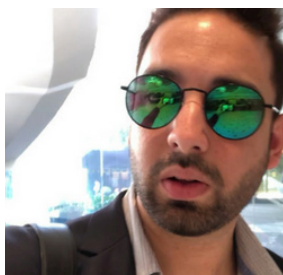
### Citation:

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### Indexedin:

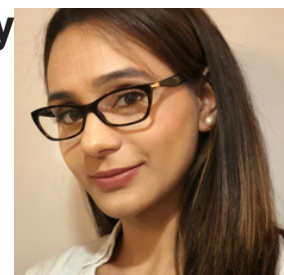https://www.openaire.eu/search/publication?articleId=od_____2659::968b5a6faa635966602a1fca050e7b31

## AARNAV (Global mining cryptocurrency backed by Real Estate investments)

**Gurpreet Kaur, Manpreet Singh**

Affiliation: Delaware USA

### INTRODUCTION:

With the rapid growth of the crypto currencies, it's getting hard to focus on which one to invest, as the fluctuation is really abrasive. Safe trading of crypto currency is not an option as no one has ever been able to minimize the risk. AARNAV is one of the first cryptocurrency that offers a unique mechanism called safety net effect.

The safety net is a very smart and appropriate way of tackling the major issue of RISK in a volatile crypto world. Presuming that the crypto currency market crashes and the value of bitcoin drops to $1000, AARNAV will not be affected, as its backbone will be the real estate market, which will increase, as investors will be moving from the crypto market to the real estate market. This is the crash proof plan that eradicates a large percentage of risk from investments.

Though, there are quite a few cryptos which are dedicated for specific purposes, AARNAV is one of the first currency through which international real estate properties can be bought. AARNAV will be offering real estate properties for New York, California, Auckland, Melbourne, Sydney, Delhi and Dubai. AARNAV will concentrate on these regions together with our trusted team of professionals and will concrete AARNAV's portfolio of investments via adding

### AIM:

ARM's vision is a token that is based on crypto mining backed by real estate investments for secure and steady returns. We as a team are focused to plough in mining farms throughout USA, the reason being cost effective electricity. In the meanwhile, investments in real estate throughout hot markets in world will secure and backup our portfolio token holders.

### BIOGRAPHY:

My name is Gurpreet Kaur. I have my bachelors in Biology from the State University of New York. I have created ARM token on ERC20 ethereum network. Being a cryptographer, I have learnt how to mine the best algorithms, by switching between the best mining pools for better payouts. I have been a cryptocurrency miner since 2016, dealing with equipment's that included Antminer S9, Nvidia 1070 Yi, Nvidia 1080, Nvidia 1080ti and most recently Antminer L3+. I am proud to be leading and working with a team of professionals that have tremendous experience in their given fields. Together, we will create a niche that will be growth focused. Being the CEO of AARNAV token, I have a commitment for transparency, honesty, and credibility to our token holders.

### Citation:

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### Indexed in:

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## New-gen crypto-Nets

**Giuseppe A Gori**

Affiliation: Università di Pisa

### INTRODUCTION:

Conceptually, Blockchain technology can be applied to any distributed environment to provide intuitive benefits deriving from information security and replication. To achieve the efficiencies possible in an open global market, the crypto-network must be open and global (i.e., unpermissioned, or public). However, current public crypto-networks have several challenges, including: scalability, throughput, cost, addressability and identification of the parties involved, no governance, price fluctuations and forks. New-gen crypto-nets will solve all of the above challenges, allow for a usable world currency, and allow for a Distributed Operating Environment for general distributed applications (GApps).

The following intrinsic crypto-network features will be required by future distributed applications:

Scalability (no network dependency on processing power, no application dependency on blockchain space). Scalable with technology. Will run on any device.

Much higher throughput (thousands of transactions per second).

Zero network operation costs, and no-fee basic transactions.

Low cost for complex transactions and smart contracts.

A Distributed Operating Environment for running general distributed applications, as an alternative to smart contracts running on the blockchain.

Price stability for invoices, loans, futures, evaluations, etc.

No hard forks. No network splitting or segregation. This will guarantee only one copy of assets, contracts, and registered entities.

Governance polls, for blockchain users to manage changing load, network parameters and unforeseen events.

Virtual Private Blockchain Networks (VPBNs), when some institutions can provide unique services, while maintaining access the public blockchain.

Peer to peer secret messaging when the commodity being exchanged requires accompanying information, or the commodity is information.

This feature will provide secure transfer of large amounts of data without involving the blockchain.

Addressability and unique identification of the parties. This will allow for:

1. Traceability and verification of contracts, assets and data without loss of privacy;
2. Secure asset/entity/device registration on the blockchain without the need of smart contracts programming, thus not subject to errors and hacking;
3. Transaction-generated messages, such as invoices, receipts, etc., and the handling of the corresponding settlements;
4. The development of complex distributed applications where the parties involved need to know and trust each other through a form of identification that is universal and does not involve personal information;
5. The development of blockchain registered devices (virtual devices and wearable devices) that will interact with each other and with IoT objects.

### Summary:

Crypto-networks will become true "carrier networks" when they will be able to securely provide for large data exchanges at low cost among identifiable, unique parties. Crypto-networks will need to include those fundamental building blocks common to all distributed applications. The result will be that all conceivable applications can be written as general distributed blockchain applications (GApps) instead of being specifically designed for each application environment and operating system. A byproduct of such networks will be the ability to provide no-cost basic financial services and a flexible money supply across the globe. Such rebased, flexible currency will also tend towards a target inflation rate and feature more stable prices. It will become useful for all normal uses, such as salaries, invoices, loans, mortgages, pensions, savings accounts, etc.

### BIOGRAPHY:

Giuseppe A Gori has completed Doctrate degree in computer sciences at the age of 30 years from University of Università di Pisa studies from University School . He is the director of CEO & Lead Designer at GoreByte Inc.

### Citation:

https://www.zenodo.org/record/1184383#.WpPWCINu-bIU

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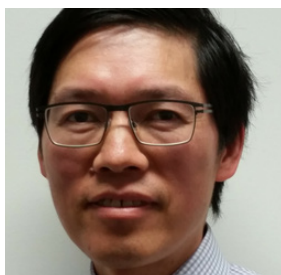
# BLOCKCHAIN & BITCOIN

## ooLeda Framework vs Blockchain - Technical Solutions for Automated Business Trust Protocol

**Dr Gang Chen**

Affiliation: N/A. This is my independent project

### AIM:

To determine which of the above technical solutions is preferred to support automated business trust protocol

### MATERIALS AND METHODS:

List out the features and drawbacks of blockchain technology through publicly available articles via internet search.

List out the features ooLeda Framework Gang Chen has created

Compare ooLeda Framework with blockchain.

### RESULTS:

Blockchain technology has become a very hot topic in the last a few years, because of its perceived capability to enable data traceability – accurately trace/identify the past transactions, hence, to facilitate automated business trust protocol. It has been regarded by some as the most disruptive invention since the invention of Internet with potential to lead 4th industrial revolution.

ooLeda framework technology also enables data traceability – not only accurately trace/identify the past transactions, but also accurately trace/identify the update history of transactions (data change history tracking).

ooLeda Framework, implemented with big data transaction handling patented technology, is scalable to handle any requests which can reach this system.

### CONCLUSIONS:

ooLeda Framework and blockchain are both technical solutions for Automated Business Trust Protocol.

ooLeda Framework has much more advanced features and ready for large industrial scale trials, while blockchain still at its infant research stage.

ooLeda Framework is scalable, while blockchain is not.

ooLeda Framework is secured by leveraging the latest security technologies on the market, while blockchain is exposed by 51% attack.

ooLeda Framework is centralised, while blockchain is decentralised.

Blockchain (bitcoin) consumes about 4000 times more energy than ooLeda Framework does.

### KEYWORDS:

Data history traceability, Data change history traceability, blockchain

### BIOGRAPHY:

Dr Gang Chen has a bachelor of Engineering in China, Licentiate of Engineering in Metallurgy in Sweden, PhD in Chemical Engineering, and Grad Dip of Computer Science in Uni. SA, Australia.

He had his initial ideas in 2002. After numerous failed attempts to secure funding, he took challenges as his hobby project. He has created ooLeda Framework and is applying for Patent. His big data transaction handling patent has been granted by IP Australia.

His achievement has been impossible, without his curiosity in science, resilience, persistence, extensive studies and work experiences in China, Sweden and Australia in crossing Engineering fields.

### Citation:

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## Crypto Currency Mining Facility Design and Implementation

**Ray Bursey**

Affiliation: Ghost Technologies Inc., CBS, NL A1X6R4, Canada

### INTRODUCTION:

A primer on the design considerations of constructing small, medium and large cryptocurrency mining operations as well as tertiary uses of byproducts generated.

### AIM:

To improve design concepts and reduce energy waste through the development of cryptocurrency mining operations.

### MATERIALS AND METHODS:

Successful design and construction of 4 large scale mines between 2MW and 45MW, experience in development of prepackages mobile mining units. Utilizing experience spanning HVAC and electrical engineering design along with practical experience in automation and control programming.

### RESULTS:

Determined appropriate airflow considerations and electrical equipment required to keep lowest cost operation while reducing energy consumption to bare minimum while also negating negative aspects such as wasted energy conversion.

### CONCLUSIONS:

This presentation effectively increases awareness to crypto-mining and blockchain supporting facilities in a responsible manner to reduce impact on surrounding industries as well as provide useful applications of heat energy generated.

### KEYWORDS:

Cryptocurrency; Mining; Blockchain

### BIOGRAPHY:

Ray has his Master's in Technology Management and a Post Graduate in Quality Management from Memorial University of Newfoundland, Canada. He also has a diploma in Electrical Engineering Technology. He is the director of Ghost Technologies Inc., a premier Blockchain and Cryptocurrency Consulting organization. He is also the CMO for BlockLAB as well as Modular Block Mining Inc.. He has given presentations to all levels of government as well as to public and private organizations on all topics in the blockchain and cryptocurrency ecosphere.

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# BLOCKCHAIN & BITCOIN

## Secure System for Crypto Currencies based on Virtual Accounts and Virtual Currencies

**Sead Muftic**

Affiliation: BIX SystemTM Corporation

### ABSTRACT:

The paper describes the concept and details of the design of the new system that supports secure, reliable, instantaneous, and peer-to-peer transactions with crypto currencies. The most popular crypto currency is Bitcoin, but this system is also applicable to any other crypto currency. Current concepts, implementations, and operational experiences with Bitcoin and other crypto currencies have many problems. Some of them are so serious that they jeopardize future large-scale use and even survival of crypto currencies. Thus far, some solutions proposed for these problems have had unacceptable consequences, such as splitting Bitcoin into two systems, extending theblo ck size, and speeding up validation procedures. This paper describes an innovative system with two major characteristics: (a) it solves most of the problems with current crypto currency systems, and (b) it is compatible with current systems, i.e. it does not require any of their modifications or hard fork splits. The new system is based on four innovations. First, the system introduces an additional meta-system based on the use of virtual accounts for crypto currencies. With this new approach all transactions are performed within the meta-system. Transactions with the original systems are used only occasionally for "cash-in" and "cash-out" transfers between any crypto currency and its virtual equivalent. Second, the system uses special cryptographic protocols of multi-party signatures and cryptographic enveloping to validate users' addresses, identities, and transactions. Therefore, it does not use blocks, their chaining, miners, or any other trusted third parties. Third, the arrangements for trading crypto currencies is based on community auctions and not on centralized or distributed exchanges. Therefore, the system does not use any centralized components and performs instantaneous, truly peer-to-peer transactions. All users have full privacy and anonymity. Fourth, the system uses the method of sponsored encapsulation of accounts and user identities, which eliminates the possibility of illegal transactions such as money laundering or collecting of ransom payments.

### Citation:

https://www.zenodo.org/record/1184423#.WpPeRYNubIU

### Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::276dcff671b1cd4fb19f59837a83a8e9

## Wild Wild West of ICO's has come to end, Regulated Tokens ( the year of TAO)

**Oscar A Jofre**

Affiliation: Co-founder, President/CEO, KoreConX

### INTRODUCTION:

Provide an overview of the ICO vs TAO.

### AIM:

Bring education to a fragmented market on state of ICO in 2018 as the introduction of TAO. According to the cryptocurrency statistics website Coinschedule, a total of 235 ICO's have raised over $3.7 billion in 2017. There does not appear to be any slow down in this market as this seems to be the new flavour for companies raising money. 2018 will be even bigger for companies to utilize this new form of capital raising.

Our 4 hour program will cover:

1.  Why the craze is global
2.  Coin vs Token
3.  Why a Token
4.  Types of Token
5.  Framework for a Token Offering
6.  Eco-system to get you started
7.  Custom Report with the tools, and eco-system

### KEYWORDS:

ICO, TAO, STO, Security Token

### BIOGRAPHY:

Oscar A Jofre

Co-Founder, President/CEO KoreConX

Oscar is currently one of the Top 10 Global Thought Leaders in Equity Crowdfunding, a Top 5 Fintech Influencer, Top 10 Blockchain and a Top 50 InsureTech. He has published an eBook that has been downloaded in over 20 countries, and been distributed by partners worldwide.

Oscar is a featured speaker on Fintech, regulated, equity crowdfunding, compliance, shareholder management, investor relations, and transparency in the USA, Australia, UK, Germany, France, Netherlands, Canada, Singapore, Indonesia and China. He speaks to audiences covering alternative finance, equity crowdfunding, TAO, ICO/ITO, RegTech, insurance, banking, legal, and crowdfunding. Oscar also advises the world's leading research, accounting, law firms and insurance companies on the impact Blockchain, TAO, ICO, Fintech, RegTech, LegalTech, InsurTech and OrgTech is having in their business.

He is a member of the Crowdfunding Intermediary Regulatory Advocates (CFIRA) in the USA, and a contributing author to The Fintech Book, the world's first crowdsourced book on Fintech globally. He writes for Sharewise, Locavesting, Equities.com, Business.com, Crowdfund Insider, Crowdfund Beat, Bankless Times, and Agoracom.

Oscar has been recognized as one of the 10 most influential Hispanic Leaders in Canada. In May 2010, Oscar A. Jofre Jr. was recognized by the Rt. Hon. Stephen Harper for his accomplishments.

Oscar was awarded the Vision 2012 Businessman of the Year by the Toronto Hispanic Chamber of Commerce on September 2012.

### Citation:

https://zenodo.org/record/1203307#.Wq-xEXWWZCU

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## Unique concept developed on Etehreum Blockchain

**Srinivasa Raju Vuppalapati, Rao Dronamraju**

Affiliation: BIX SystemTM Corporation



**ABSTRACT:**

Blockchain Technology is a disruptive innovation in the technology landscape and every industry is exploring various use cases of using BlockChain technology. In this process we have developed a "Decentralised Financial Investment Platform for Energy Companies" using open source Ethereum Blockchain. The application is completely autonomous based on "Smart Contracts". Investors can invest in our platform through Smart Contracts. Fund raiser can create their projects using smart contracts. All the earnings from a specific project will be distributed among the investors automatically based on the "Smart Contracts".

It is a unique concept developed on Etehreum Blockchain and Smart Contracts for Energy Companies.

**Citation:**

https://zenodo.org/record/1234023#.WuOnLnWWZCU

**Indexedin:**

https://www.openaire.eu/search/publication?articleId=od_____2659::8be64d70a0085fe7a1604e09bb7df390

## An intelligent healthcare currency can reduce cost of healthcare administration and cut fraud, waste and abuse

**Pradeep Goel**

Affiliation: Chief Executive Officer at Solve.Care Foundation

## INTRODUCTION:

Healthcare payments are very challenging due to 3rd party model, involvement of multiple stakeholders and complexity of transactions. It is not unusual for the payment administration to cost as much as the payment for services. There is no other industry with a comparable cost and complexity of payments at this scale. The systems and processes used to administer healthcare payments focus on making sure each transaction is accurate while trying to deal with retroactive events, and it is a losing battle.

## AIM:

Make healthcare and benefit programs work better for everyone: for ourselves, parents, children, society and our economy. Build a community of developers, partners and resellers to continually expand the platform and apply collective intelligence.

## MATERIALS AND METHODS:

We will discuss how an intelligent currency built on Blockchain and smart contracts can be used to make healthcare payments efficient, transparent, accountable, auditable and adjustable.

We will present a currency design and approach that can replace complex payment systems with a programmable healthcare currency that will cost a fraction of current payment models, significantly reduce fraud and abuse and lead to more effective delivery and use of care.

## RESULTS:

Solve.Care leadership team has decades of experience in building complex IT systems to serve healthcare delivery and administration. The team is combining Blockchain technology, domain expertise and public policy experience to redefine healthcare administration in the US and around the world.

## CONCLUSIONS:

We will be presenting our past research on healthcare costs and inefficiency and specific use cases and applications that can transform government programs, employee benefit administration and care coordination for all.

## KEYWORDS:

Blockchain, Healthcare, Smart-Contracts.

## BIOGRAPHY:

Pradeep Goel arrived from India 23 years ago to study in America. And now he is CEO of a fast-growing technology company. Mr. Goel was deeply involved in designing and building solutions for several public programs such as Medicaid, Children health insurance, Medicare, SNAP, TANF, mental health and many others. He has worked for and with insurance companies, employer sponsored benefits and US government programs related to healthcare, benefits and financial administration. Throughout his career, Pradeep has championed product management, sustainable design and architecture, and usability in enterprise and government systems. In 2017 Pradeep Goel had Launched Solve.Care as the first decentralize benefit administration platform, protocol and currency to revolutionize health and social benefit administration in the US and worldwide.

**Citation:** https://www.zenodo.org/record/1184538#.WpP9LoNubIU

**Indexedin:** https://www.openaire.eu/search/publication?articleId=od_____2659::f4a5ca2e1813cd45f-239d26add5b2127

## Awar-winning internet entrepeneur of suriname and co-founder Fissacoin and founder Wlove B.v.

**Phill Tevreden**

Affiliation: Netherlands, Amsterdam

**ABSTRACT:**

Developing an Internet concept is not everything. Neither is profit. My drive comes from bringing the two together. Taking action in real-time so that we generate enough money today to remain competitive tomorrow. Being effective not only for yourself but for the people that depend on you to be extremely focused and creative. With over 10 years of experience in ICT Concept Development and Online Marketing I have developed several high-profile websites, mobile apps and social media campagnes for companies all over the world. The combination of expertizes from the fields of Entertainment, ICT and Telecommunication bring a unique out of the box perspective on everyday challenges and needs. Making my input valuable to every project.

**Citation:**

https://zenodo.org/record/1227162#.Wt3genWWZCU

**Indexedin:**

https://www.openaire.eu/search/publication?articleId=od_____2659::7832c657b695959e4a512f195a64a601

## PHP programmer and Co-founder Fissacoin.

**Joshua Hiwat**

Affiliation: Netherlands, Rotterdam.

### INTRODUCTION:

Joshua started doing business at a young age. Born in an enterprising family, father with his own international port company and mother a communication agency. Joshua was 16 years old when he sold his first ICT company. After selling his first company he already started working in the tourism / events industry. Until last year, when Joshua mapped out problems within the events sector and invented the concept of Fissacoin, in which the biggest problem within the sector could be tackled.

At the moment Joshua has been working professionally as a software programmer for 5 years. Customers for which he worked: Amazon, Partyflock, Tax Administration (government), Spie Netherlands International

### Citation:

https://zenodo.org/record/1227168#.Wt3iPnWWZCU

### Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::197494652b2a5248abf48430633c249e

# BLOCKCHAIN & BITCOIN

## Towards a faster Bitcoin network

**Muntadher Fadhil Sallal**

Affiliation: Portsmouth University School of Computing, Portsmouth, UK

### ABSTRACT:

Transaction validation in the Bitcoin system is far from trivial due to the fact that transaction verification process is achieved in a distributed manner. Consequently, inconsistency in the replicas of the ledger that every node keeps are unavoidable. This results in a situation where uncertainty about the validity of a given transaction is introduced. Furthermore, a desynchronized replicas of ledger incentives attackers to impose their own transaction history, possibly using the same bitcoins more than once. However, the latency communication between nodes in the Bitcoin network is critical even though the probability of reaching an agreement about transaction history is high. The main motivation for this talk is to show how to overcome the problem of achieving agreement on a common transactions log among nodes in the Bitcoin network through maintaining faster information propagation in the network.

### AIM:

To speed up information propagation in the Bitcoin network, and presenting an entire network architecture that is based on the proximity of connectivity.

### MATERIALS AND METHODS:

Aiming at alleviating the propagation delay problem, our research introduces a proximity-aware extension to the current Bitcoin protocol, named Locality Based Clustering (LBC), Ping Time Based Clustering (BCBPT), and Super Node Based Clustering (BCBSN). The ultimate purpose of the proposed protocols, that are based on how the clusters are formulated and the nodes define their membership, is to improve the information propagation delay in the Bitcoin network.

### RESULTS:

We show, through simulations, that the proposed protocols define better clustering structures that optimize the performance of the transaction propagation delay over the Bitcoin protocol. However, BCBPT is more effective at reducing the transaction propagation delay compared to the LBC and BCBSN. The resistance of the Bitcoin network and the proposed protocols against the partitioning attack was evaluated. Evaluation results reveal that even though the Bitcoin network is more resistant against attackers than the proposed protocols, more resources need to be spent to split the network in the proposed protocols espe-cially with a higher number of nodes.

### CONCLUSIONS:

We discovered that the providing less latency and geographical distance threshold would improve the transaction propagation delay with high proportion.

### KEYWORDS:

Information propagation · Clustering · Bitcoin Network. Double spending attack

### BIOGRAPHY:

Muntadher Sallal is a PhD research student at the age of 28 years at University of Portsmouth, UK. He is a Fellow lecturer at school of computing \Portsmouth University. He has published more than 8 papers in reputed journals and conferences, and has been serving as an editorial board member of repute.

### Citation:

https://www.zenodo.org/record/1184530#.WpP7JoNu-bIU

### Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::65ed1024cfda97de-d34452e50c452518

# BLOCKCHAIN & BITCOIN

## How to Send Funds to any GPS Location and Securely Pay for Goods using the Blockchain.

**Claude Jr. Belizaire**

Affiliation: Human Level Technologies Inc.

**INTRODUCTION:**

With the advent of modern technology, we are now witnessing worldwide events that have an impact on populations throughout the world and feel helpless in front of so such suffering.

Now, there is a way to help reconstruct devastated areas. We can use the Blockchain to lock a multi-signature wallet to any geolocation and transfer funds to it that will pay for their necessity without relying on any third party.

**AIM:**

To allow the delivery of goods anywhere in the world and pay suppliers directly after proof-of-delivery has been acknowledged by the system.

**MATERIALS AND METHODS:**

The application is being tested to secure the proof-of-delivery and allow delegated donors to release funds according to the goods delivered.

**KEYWORDS:**

Blockchain, Fundraising, Bitcoin, Ethereum, Smart Contracts, Computer Vision,

**BIOGRAPHY:**

Claude started programming in 1982 and now works as a software engineer. As an active member of the Bitcoin community since 2012, he has been studying the Blockchain and has envisioned a way to help people in need of immediate assistance without using any third party.

Two years after starting Human Level Technologies Inc., we are proud to announce the launch of Geolock-Aid in 2018.

We hope that it will help create long lasting connections throughout the world.

**Citation:**

https://zenodo.org/record/1195999#.WqZhe3WWZCU

**Indexedin:**

https://www.openaire.eu/search/publication?articleId=od_____2659::d5f4dbedcd091adc3acdce7252b29ab7

# BLOCKCHAIN & BITCOIN

## KIDNER – A WORLDWIDE DECENTRALISED MATCHING SYSTEM FOR KIDNEY TRANSPLANTS

**Sajida ZOUARHI**

Affiliation: Co-founder @KidnerProject, Blockchain architect @ConsenSys, PhD student at the Computer Science Lab of Grenoble (Grenoble INP)

### ABSTRACT:

Individuals suffering from kidney failure today face significant challenges in order to obtain a transplant. They are placed on a waiting list and ranked by priority in hope that a kidney from a deceased donor is a transplant match. They do have another option: a living donor; someone they know, family or friend, willing to give them a kidney. These people may not be a transplant match, however there is a solution, a "Kidney Exchange" or a "Kidney Paired Donation". In these programs, if two mismatched pairs (living donor and kidney recipient) can be grouped together so that they become transplant matches, both kidney failure patients can receive a kidney. While a great solution, these programs have a significant pitfall. They are limited to the specific registry regions participating in their program. The Kidner project was developed to help these exchange programs better detect life-saving opportunities and enable more people to access kidney transplants.

### INTRODUCTION:

The average waiting time for a kidney transplant in the US is 3 to 5 years,1 during this time patients have to go through an onerous process of dialysis at least 3 times a week, negatively impacting their normal social and work life balance. Being on dialysis is expensive, about US$60 billion is spent in the US each year on kidney healthcare - 28% of Medicare's budget,2 and transplants are overall much cheaper than ongoing dialysis. Illness may worsen while waiting for a transplant and in the worst case, patients may die.

### AIM:

Our goal is to make the current transplant system more efficient and more secure. To do so we realised that we need to increase the data volume by involving more hospitals in the process and asking them to share their data to create a bigger and more relevant pool. Such an effort requires us to address governance and trust among systems, as well as offer transparency for all actors in the system. A blockchain architecture was considered to be the best way to create a multi-parties ecosystem of hospitals and healthcare actors that want to achieve a common goal: better and safer care for the patients.

### RESULTS:

A public opensource blockchain called Ethereum was used to illustrate the Kidner concept and the patient journey in a simple way. The front end and blockchain smart contracts described below were developed by the hackathon team of Chainhack 2015. For the proof of concept the Ethereum platform was used to implement a basic matching system through a smart contract (solidity file: https://github.com/sajz/kidner).

A new version has been created in 2017, for this more advanced implementation another opensource blockchain called Hyperledger Fabric was used. (https://github.com/noursaadallah/kidner).

### CONCLUSIONS:

Kidner is a collaborative project that was developed to address the financial and security challenges that face cross border transplantation. It aims at creating a KPD programme that extends the mismatched live donor-recipient pool through a decentralised non-profit system deployed world-wide to improve patient care and outcomes, making possible analysis and matching of patients while providing complete anonymity. It is envisaged that this system will lead to the first Kidner-based surgeries, enabling increased renal transplants per year.

### KEYWORDS:

Transplant; kidney; privacy; security; blockchain.

### BIOGRAPHY:

Sajida Zouarhi is an engineer and a PhD student in Computer Science and Network with Orange labs and LIG (computer science laboratory of Grenoble). Her research work is about Blockchain-based solutions and "Quality of service of complex and heterogeneous systems for critical data transmission" especially in Healthcare and Internet of Things. She has co-founded the Kidner Project in 2015 (www.kidner-project.com) and is now working at ConsenSys as a blockchain architect.

# BLOCKCHAIN & BITCOIN
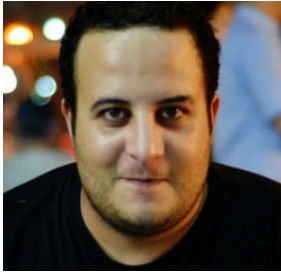
## The future of Blockchain Technology

**Rezig Zain Laabidine**

Affiliation: Blockchain technology LLC, BUSINESS BAY, DUBAI, U.A.E

### INTRODUCTION:

Over the years, technology has come a long way. And virtual reality (VR) is the proof of it. This particular technology has been gaining rapid popularity and even now, its broad range of benefits remain to be implemented. Another great technology is the blockchain that is ensuring better security for transparent transactions and information shared across the globe.

### VISION:

Ultimately, Project Districts will be a thoroughly robust ecosystem where productivity, recreation, and innovation come to roost, much similar to the real world, only this time without its associated complexities. Our goal is to be the world's first ubiquitous interface for propagating traditional and ethereal experiences to both the everyday internet user and the tech-savvy geek.

### PROBLEM:

In today's world, imagination is fettered by uncertainties and innovation remains bound by 21st-century limitations – but how about a world where you're free to do as you please. Free to innovate, free to create, free to interact and integrate – that world is Districts.

### SOLUTION:

To create this world, the Districts development team recruited the services of two innovative technologies, the blockchain, and Virtual Reality - each disruptive in its own right. Project Districts leverages the core efficiencies of these two, to create an immersive virtual ecosystem, complete with virtualized real-life entities existing in a real-time interactive environment.FEATURES:

The main features of the Districts world are; 3DCoin Blockchain, Decentralized Hosting, Decentralized Applications, Districts Visual Studio (DVS), Land Tokens, 3DCoin Mining, Coin Blend, Sub Currencies, Conditional Transactions.

### KEYWORDS:

Project Districts; Virtual Reality; Blockchain Technology; 3D DAPPS; 3DCoin; Districts Visual Studio (DVS), Mining; Conditional Transactions.

### BIOGRAPHY:

An autodidactic developer from his earliest age, he started a self-employed freelancer programmer in 2010, and contract software developer, for three years. Than he started his company "Blockchain Technology LLC" in Dubai.

During this time, he researched and followed decentralized system and thoroughly followed the crypto currency evolution starting from Bitcoin step by step, mastering all its aspects.
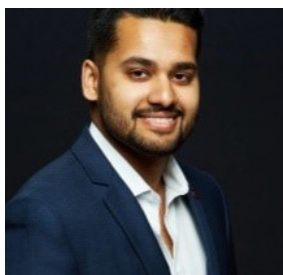
By believing in the future of cryptocurrency and driven by his Gaming and 3D modeling passion, the Project Districts was born.

### Citation:

https://zenodo.org/record/1196011#.WrEJfXWWZCU

### Indexedin:

https://www.openaire.eu/search/publication?articleId=od_____2659::b53192571916954901f74e-a80b632814

# BLOCKCHAIN & BITCOIN

## Blockchain as an enabler for a Global ID

**Sashien Godakandae**

Affiliation: Ottawa, Ontario

### INTRODUCTION:

Visual assessments of crown marginal fit have limited use to assess marginal gaps on proximal surfaces. Other methods used in the literature to evaluate marginal accuracy on the proximal surfaces are with radiographs.

### AIM:

Blockchain technology can help us improve our identities in the digital world.

### MATERIALS AND METHODS:

Proving identity is difficult today can be an expensive process

Document validation takes much time and can be done more efficiently

### RESULTS:

MDL's can assist in providing a digital means for users to simply sign documents and have a precise digital 'trail' of documents

### CONCLUSIONS:

In conclusion, the blockchain can be use a great means of creating a global id for the population of the world. Therefore, I would be pleased to discuss more elements of this adoption for the current and future world.

### KEYWORDS:

Blockchain, Cryptocurrency, Public Equities

### BIOGRAPHY:

Sashien is the current CEO of Enigmatic Investments, an investment company focused on a number of Blockchain and Fintech investments. To date, Sashien has proven to be an ambitious entrepreneurial-minded business development, marketing, and investment professional who has exceptional ability at recognizing opportunities and driving value to leading brands. He has consulted and worked with fortune 500 and 1000 companies, as well as Senior Management CEOs, Directors, Vice-Presidents and External Stakeholders. In addition to this, he currently serves as Board of Director for Youth Ottawa and is passionate about empowering youth to take action in the community and become leaders of tomorrow. In the new year, Sashien will be featured in a new multi-author collaboration called 'Nailed It' focused on the science of success with Ottawa entrepreneurs, Alfonso Cuadra (Success By Design Show) and Adam Nesrallah (Sell It Like a Spy)

## Open Blockchain Platform : OpenchainGlobal
**From community to enterprise, from platform to various application.**

**Hans(Namkyu) Choi**

Affiliation: Chungbuk National University

**ABSTRACT:**

**INTRODUCTION:**

Application & use of cases of blockchain.

**Open blockchain platform supports**

- multi platforms

  . Multichain,

  Ethereum,

  Hyperledger

- multi programming languages.

. Java,

Golang,

Python,

PHP -

Multifields

general finance & advanced

Fintech

P2P

Crowdfunding.

Cryptocurrency /

ICO

Realestate,Usedcarsales

Big data, Clould computing, AI

Open blockchain platform supports

-multi platforms

  Multichain, Ethereum, Hyperledger

**Citation:**

https://www.zenodo.org/record/1184758#.WpTdfINubIU

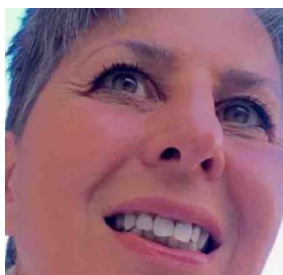**Indexedin:**

https://www.openaire.eu/search/publication?articleId=od_____2659::1be6f531b02143102652105deff29ae2

# BLOCKCHAIN & BITCOIN

## TIIQU – DECENTRALIZED PROFESSIONAL PASSPORT EMPOWERING INDEPENDENT WORK

**Laura Degiovanni**

Affiliation: CEO / Founder TiiQu Limited

### INTRODUCTION:

TiiQu is a blockchain based platform that uses the immutability and verifiable source of data qualities inherent to blockchains to create a digital "passport", which can be relied on as proof of an individual's professional trustworthiness, identity, qualifications, certifications, memberships, previous work experience, performance metrics and education. The platform provides a transparent infrastructure and easy to author "smart contracts" enforcing conditions and payment of collaboration agreements at a fraction of time and costs currently associated with verification, hiring and payments

### AIM:

Facilitate global collaboration without middlemen in a globalized flexible and meritocratic labour market

TiiQu replaces the former subjective assessment of job candidates on part of HR managers and head-hunters with the TQ ( trust quotient), a score comprised of all digitally verified claims collected in the professional passport.

The TQ mitigates the subjectivity of reputational elements with objective data and since each claim is certified by third parties on -chain, the TQ can be said a tamper-proof objective evaluation of an individual's trustability. It reduces arbitrariness in professional assessments and creates a level playing field for applicants, neutral to all biases of gender, ethnicity, religion, and class.

### TRUST QUOTIENT METHODS:

The Trust Quotient (TQ) is the algorithmically derived value representing an individual's objective trustworthiness relative to their peers and based on proofs provided by the individual. The TQ quantifies trust based on proofs relating to an individual's identity, reputation, veracity and performance. By establishing multiple sources for each of the above criteria the TQ is able to robustly quantify the base components of trust. Source weighting allows for a TQ rating to favour sources over others and applies to all criteria with the exception of veracity. With respect to veracity, all proven claims are equal and proving a claim impacts on an individual's TQ rating, but the nature of the claim doesn't impact on an individual's TQ rating.

Trustworthiness is handled separately from suitability questions. Only verification of expertise can have an impact on the TQ. But it this context, only the fact of the proven claim counts and not the quality of the claim itself.

Furthermore, an expert's TQ will neither depend on the number of achieved certifications or experienced work-fields nor on the range of his expertise.

The approach to the Trust Quotient and fairness of the TQ score is accessible on the White Paper

### THE TRUST QUOTIENT ANALYSIS

Fairness

The TiiQu algorithm will evolve over time and with the gathered experience from integrating new kinds of experts. Because of this, the fairness in our system will base on dynamically computed trust quotients from present values, ranges and weights. Every time we adapt the algorithm, each TiiQu member will have the same conditions. The Algorithm will be tested and progressively adapted starting from the Alpha test

### OTHERS

TiiQu strive to advance its goal by employing technologies like blockchain, social

communication technologies, rating algorithms, profiling and AI. Like

every powerful technology, these tools inhabit potential risks too that need to be understood, addressed, and mitigated. Due to recent scandals related to the use and abuse of Data by first generations on networking platforms and/or their partners, TiiQu felt the necessity to mark the difference and protect the validity of blockchain based projects from the potential risk of disaffection and mistrust that can derive from the lack of transparency often associated with first generation of platforms . With the purpose to establish a clear pact with its users and partners , TiiQu worked out c its own guidelines with reference to Data use, aims of the business model and responsibilities both of the platform and of users.

### KEYWORDS:

Certification, Claims Verification Freelancing, HRTech, Work, Recruiting.

### BIOGRAPHY:

Serial entrepreneur building innovative business models from scratch and developing multi-channel businesses on EMEA markets Laura experienced work from different

## Blockchain Investor & Advisor

**Richard Shibi**

Affiliation: MBA, Imperial Collage, Business School, London, UK

### ABSTRACT:

The blockchain technology has witnessed a significant amount of awareness during 2017, many ICOs has been funded with staggering amount of money. Blockchain must overcome few issues before it can be reasonably adopted by the masses, including transaction processing speed, scalability and software development and deployment costs

### AIM:

Reduce the costs\complexity of running a blockchain node, while increasing the speed of transaction processing.

### MATERIALS AND METHODS:

SegWit2X for Bitcoin which took place at the end of Dec last year and the upcoming Lightning Network.

Moving from Proof of Work to Proof of Stake for Ethereum, followed by Sharding and off-chain transactions

Lightning and PoS have their own challenges and are not yet implemented, but they have a huge promise in accelerating the transaction processing speed

### RESULTS:

Proof of Stake is supposed to double or triple the transaction speed (currently around 15\s), while Sharding can bring it to 5x - 10x

SegWit2X helped to increase the # of transactions from 3-4 trx\s to 7-8 trx\s (without the segregated transactions) and up to 30 trx\s with the segregated transactions. This is mainly due to the increase of block size from 1 MB to 2MB and the ability to fit more transactions within the same space

### CONCLUSIONS:

There is still a very long way to go until either Bitcoin or Ethereum (the two most famous and dominant by market cap) can support mass adoption. Network congestions has already been witnessed many times. However, the development teams are working constantly on improving the scalability issues.

### KEYWORDS:

Blockchain; Bitcoin; Ethereum; Decentralization

### BIOGRAPHY:

Richard Shibi has completed BSc in Computer Science from the university of Hertfordshire in London and currently studying MBA at Imperial Collage business school. He has more than 15 years of experience in the IT industry, mainly in the Telecommunication sector (BSS\OSS). Richard has lived and worked in USA, Europe, Afrika and Asia. He has successfully deployed IT projects to the world leading Telecoms including Rogers(Canada), at&t(USA), Mobiltel Group (Europe) and many others.

Richard is an investor and influencer in the Blockchain sphere, and he has been working as a blockchain consultant since early 2017

# BLOCKCHAIN & BITCOIN

## Creating Trust In The World's Most Skeptical Community

**Isaac Thomas**

Affiliation: CEO of VeganNation

**ABSTRACT:**

VeganNation is the first global vegan-friendly decentralized nation. Based on the blockchain technology, a designated cryptocurrency and a sharing economy platform, VeganNation is creating a fully functioning ecosystem, uniting hundreds of millions of vegans from around the world into one global community, providing the members with services spanning economy, technology, content, marketplace, global contribution, innovation and more. We are using blockchain to create trust within a new economy designated for vegans and the vegan curious.

**AIM:**

Our mission is to use blockchain to create a trust-based-economy within the vegan global community, by so, making veganism more approachable and available for everyone, no matter where they are located.

**MATERIALS AND METHODS:**

Veganism is a way of life, not just a diet. Living a full vegan, cruelty-free life is a big challenge as it is sometimes impossible to track the actual origin and the supply chain of a product, be it food, clothes or other commodities. A trading system based on the BlockChain technology will enable a transparent supply chain, making it possible for a consumer to know exactly how the product he purchased was handled, guaranteeing an ethical chain of supply.

**CONCLUSIONS:**

The new "trust economy" is based on sharing our homes (airbnb), our cars (Uber) and so much more with strangers. Blockchain enables us to take this one step further by eliminating the middleman and creating a peer-to-peer market, with no big corporates controlling it.

**KEYWORDS:**

blockchain, cryptocurrency, veganism, nation

**BIOGRAPHY:**

CEO and Co-Founder of VeganNation, a vegan for the past 2 years, Bringing with him 17 years of entrepreneurship experience in acquiring, developing, consulting, and leading visionary projects in real estate and health care.

## INTERNATIONAL CONFERENCE ON BLOCKCHAIN & BITCOIN

# BLOCKCHAIN & BITCOIN

## Cases & sceneries of cryptocurrency scaling

**Linda Leaney**

Affiliation: CFO, globcoin.io

### INTRODUCTION:

How we have taken a "real-world" investment strategy and scaled it to a digital world, to encompass a 'global village' which could not be reached through traditional investment banking

### AIM:

To explain how the real world can be leveraged and expanded in the new digital world, to create a new, greater framework for best in class execution of currency strategies: scaling up.

### MATERIALS AND METHODS:

Blockchain. Ethereum ERC20, decentralized distributed ledger, partnerships across the blockchain world, partnerships with ICOs

### RESULTS:

Creation of a new network and platform capable of sustaining a new eco-system compromising bespoke, disparate, novel, currency baskets, which create a new monetary system, scaling up as the platform develops.

### CONCLUSIONS:

Cryptocurrency has evolved from the Bitcoin seed. The new eco-system can continue only with scalable prijects, with global reach, feeding a global need. Real world strategies need to be re-thought; re-modelled; re-positied to thrive in the new cryptocurrency world.

### KEYWORDS:

Blockchain, Ethereum, ICO

### BIOGRAPHY:

Linda graduated with a BA 2.1 from Durham University, UK. She brings nearly 20 years of banking and FX knowledge with her from leading Investment Banks, including US and Swiss Tier 1 names. She has worked with globcoin.io since June 2017, developing a strategy to bring the currency of the global village to the world, through Blockchain technology. Linda is based in London.

# BLOCKCHAIN & BITCOIN

## A realistic outlook on Blockchain's future in the financial sector

**Wesley Graham**

Affiliation: Blockchain at Berkeley, CA, 94720, USA

### ABSTRACT:

With the seemingly endless proposed use cases for blockchain technology and recent enterprise adoption of blockchain projects it becomes important to step back and separate good blockchain use cases from bad.

### AIM:

This talk highlights realistic and unrealistic applications of blockchain technology within modern day's transaction ecosystem, specifically centered around both private and enterprise blockchain applications in the financial sector.

### MATERIALS AND METHODS:

Research papers from institutions like Deloitte and IBM have proposed that blockchain use cases like cross border payments, after hours trading, and real-time fraud detection are currently within striking distance of numerous financial institutions. In reality, given the current issues with transaction scalability and transactor confidentiality, mass adoption of these use cases are further away than they seem.

### RESULTS:

Due to current issues with scalability, confidentiality, and fault tolerance we are actually further than it may seem from the much-discussed utopian transaction ecosystem. As of right now, there are only a few feasible blockchain use cases that can easily be adopted by financial institutions. Until there are more scalable mechanisms in place we will not be able to produce industrial size

blockchain use cases that can be utilized without compromising blockchain integrity.

### CONCLUSIONS:

This exploration will leave audience members with an understanding of the mechanisms that govern private and enterprise blockchains, as well as an understanding of good and bad use cases and technical factors that will affect blockchain's growth in the financial sector

### KEYWORDS:

Blockchain Use Cases; Blockchain Scalability; Blockchain Solutions in Finance

### BIOGRAPHY:

Wesley Graham is a student at UC Berkeley, and officer for Blockchain at Berkeley, the US largest collegiate blockchain organization. Wesley is an industry expert with a background in blockchain use cases, ICO consulting, product analysis, and enterprise blockchain applications. Wesley is additionally involved in leading executive education projects, and has been recognized

as a TEDx Speaker, United Nations Youth Ambassador, and BC Excellence Award winner. In his free time, he can be found on LinkedIn building hype about Disruptive Technologies, organizing major hackathons, or at a basketball game cheering wildly.

# BLOCKCHAIN & BITCOIN

## Bitcoin, Bitcoin Cash, Bitcoin Gold, Bitcoin Candy, why so many forks?

**Wayne Chen**

Affiliation: Co-founder at Assembly Block

### INTRODUCTION:

Bitcoin is first cryptocurrency that proved blockchain's unlimited capabilities. This is without a doubt, a paradigm shift for a decentralized economy. However, it doesn't go without it's problems with a democratized process to handle protocol improvements.

### AIM:

Explain the differences between Bitcoin, Bitcoin Cash, Bitcoin Gold, Bitcoin Candy and possibly more upcoming forks.

### MATERIALS AND METHODS:

What happens when a fork is proposed? Discuss the process during the fork and the result it generates such as additional market capitalization to the overall cryptocurrency economy.

### RESULTS:

Different Bitcoin chains produce different rules for utility, scaling, mining and growth.

### CONCLUSIONS:

The forks and spawning of many Bitcoin chains are working exactly to the power of decentralization. This is commonly seen as a negative impact. However, we should be embracing this characteristic of a decentralized blockchain.

### KEYWORDS:

Bitcoin, Bitcoin Cash, Bitcoin Gold, Bitcoin Candy, Blockchain, Decentralization, Cryptocurrency, Economics, Mining, Scaling,

### BIOGRAPHY:

Wayne is an early adopter of Bitcoin, Blockchain and Cryptocurrencies. He is the Co-founder of Assembly Block, specializing in development and advisory in the blockchain space. Wayne has significant blockchain and cryptocurrency experience, having previously held the position of Senior Product Manager at Mogo and Senior Director, Head of Product at nTrust, where he designed and developed a Bitcoin wallet and exchange.

Wayne comes from a UX, Design and Product background having worked in the gaming indstury for 7+ years. In his early career, he was a Designer and Producer at Electronic Arts working on many AAA titles such as FIFA, The Sims 2, and EA Sports Active. Wayne also mentors at Vancouver Film School and is part of the VanUE (Vancouver User Experience Group) Organizing Committee to connect young UX design professionals with the industry.

# The Risk of Doing Nothing and Corporate Blockchain Strategy

**Vineeth Palani**

Affiliation: Schulich School of Business, Toronto

## ABSTRACT:

Like any other new technology at its growth stage, blockchain has been gaining a lot of traction recently. Waiting is never an option and businesses rush to adopt the technology in the fear of missing out.

## AIM:

Adopting blockchain comes with a lot of challenges such as upfront investment without a clear ROI, collaborating with your competitors, the broader scope of use cases, complicated features and the network mindset.

## MATERIALS AND METHODS:

The information is based on varies studies conducted by top technology and strategy firm in the industry.

## RESULTS:

The key to an effective strategy is to get the three elements - a valid business case, right vendor choice and the human factor right.

## CONCLUSIONS:

Building a strategy around Blockchain requires rebuilding your business. Consortiums seems to be the most apt model for this technology.

## KEYWORDS:

Blockchain, Technology, Strategy

## BIOGRAPHY:

Vineeth Palani is an MBA graduate from Schulich School of Business, Toronto. He was seven years of experience in software industry, working with a major financial institution. He acts as the bridge between technology and business, understands the importance of customer centric design and yearns to create true value for businesses by helping them make the most apt technology solution for them.

# BLOCKCHAIN & BITCOIN

## Quintessential Cryptocurrency Ecosystem Components

**Steven Dryall**

Affiliation: FinTECH Circle, London, UK

### INTRODUCTION:

Cryptocurrency ecosystem deployment requires the understanding of many subjects both technical and social. Creation of a viable cryptocurrency ecosystem requires careful management of concurrent developmental efforts. This presentation will provide an overview of the requisite components for a viable cryptocurrency ecosystem.

### AIM:

To show the requisite components of a viable cryptocurrency ecosystem. Deployment of the components outlined will result in a viable ecosystem.

### MATERIALS AND METHODS:

Incipient Industries has been involved with cryptocurrency development since the company was founded. Direct involvement with numerous cryptocurrency projects has lead to a proven method and system for the creation of a viable cryptocurrency ecosystem. Using open-source solutions combined with requisite tools it is possible to consistently create a cryptocurrency ecosystem with longevity and value.

### RESULTS:

Incipient Industries has been successful in the creation and deployment of cryptocurrency ecosystems. According to market valuations by leading industry sources, projects created by Incipient Industries have increased consistently from initiation to high multipliers. ROI is consistently assured.

### CONCLUSIONS:

According to the results of these efforts, the deployment of a viable cryptocurrency ecosystem is replicable using these methods.

KEYWORDS:

bitcoin, cryptocurrency, digital money, ecosystem, decentralized, network

BIOGRAPHY:

Steven Dryall is the Principal of Incipient Industries and a Founding Director of Nikola Tesla Unite Ltd. Steven was certified by The Royal Canadian Mint for "contributing to the evolution of currency".

Steven is a digital money strategist, deployment expert and thought leader. A direct contributor to some of the most important technological developments in our society relating to digital media, digital marketing and digital money. A technology pioneer with a deep, long background in the creation and distribution of digital goods and services.

Steven is currently working on changing the essence of economics using cryptocurrency and blockchain technology.

# BLOCKCHAIN & BITCOIN

## Application and Use Cases of Blockchain Technology

**Scott Douglas**

Affiliation: CIF

### INTRODUCTION:

As Bitcoin and other cryptocurrencies have been on fire for a large portion of 2017, focus has turned to blockchain, the underlying technology that powers these digital currencies. But blockchain technology has many more potential use cases and applications other than just serving as the fuel behind Bitcoin.

### Discussion Topics:

Scott will discuss practical applications of Blockchain technology in a variety of industries and verticals, showcasing that blockchain and bitcoin warrant more respect than the mainstream media currently places on Bitcoin, neglecting the incredible applications of the underlying technology.

### Keywords:

 Business, B2B, Blockchain, Cryptocurrency.

### Biography:

A seasoned business strategist with a passion for bleeding edge technologies. Scott has worked with several high profile companies such as Cisco, Bell, Avaya and NEC. He has worked in the enterprise space, consulting on complex networking, telecommunication and SAAS projects. With a proficiency in project management, sales, leadership, scaling and improving operational efficiencies in F500 companies, he is an industry leader in knowledge pertaining to fintech, blockchain, and cryptocurrency

# The blockchain: the principal disruption in the financial services industry

**Eugenio Duarte**

Affiliation: Universidad Internacional Iberoamericana (UNINI USA); Universidad Europea del Atlántico (Spain)

**ABSTRACT:**

The objective of this research is to determine the impact that the blockchain technology will have on institutions, particularly in the industry financial sector. The Blockchain is a technology that allows multiple entities to share a common database in a decentralized and distributed way, without the need for intermediation, where the consensus for the management of information is automatically performed through mathematical algorithms.

The study describes the operation of the blockchain technology in its different categories: public, private and hybrid or consortium, indicating the advantages and disadvantages in each case. Concerning the public blockchain, we deepen in Bitcoin and Ethereum, both permissionless, decentralized, with hundreds of distributed nodes on the Internet where each holds a complete copy of the blockchain. Additionally, we study the hybrid blockchain, permissioned, partially decentralized, only accessible to a predetermined group.

For the development of this research, we consult specialized books, articles, reports, news, academic investigations and expert opinions, with the purpose of defining the relevant concepts, capabilities and, benefits of the blockchain. Additionally, we analyze some use cases within the financial sector to determine which specific problems solve and which processes improve this technology. The study concludes that, in certain scenarios, the blockchain technology is superior to a traditional distributed database because it provides more significant advantages in data processing, consistency, redundancy and information security, without the need for intermediation, eliminating from the equation the human factor of confidence. Due to regulatory and technical drawbacks faced by financial institutions, among the different categories of the blockchain, the permissioned hybrid model will be the preferred option in the short term in the industry. Keywords: Blockchain, Bitcoin, Ethereum, Fintech Biography:

Eugenio Duarte is the Senior Technical Analyst of the ecommerce platform at Aldo Group, Montreal. He has a bachelor's degree in Computer Systems Engineering, an accredited international Master ofBusiness Administration (MBA) from Europe and North America, and various IT certifications in technologies such as cloud computing, networking, security, wireless, voice over IP, and Linux. He is the author of two books:

1) Invierta y hágase Rico en la bolsa (a beginner guide to stock investing);

2) Blockchain: la última disrupción en el sector financiero (a complete guide to Bitcoin and Blockchain technology).

## AZIZ BIN ZAINUDDIN

Affiliation: Founder & Chief Crypto Officer of Master the Crypto

### BACKGROUND:

Aziz Bin Zainuddin is a Blockchain expert with a passion for evangelizing the revolutionary technology. He is the Founder and Chief Crypto Officer of Master The Crypto, a knowledge hub & resource center that focuses on cryptocurrency investing and all things Blockchain. In addition to writing and speaking about Blockchain & Cryptocurrency, Aziz runs C.M. Fund, a Crypto Hedge Fund based

in Singapore which invests in cryptos with solid fundamentals and game-changing technology.

Prior to Master the Crypto, Aziz worked in several financial technology startups that focused on Blockchain Technology and Artificial Intelligence. He was a former Investment Analyst at CG Capital Markets where he explored blockchain technologies and their application towards fintech solutions centered around the staffing industry.Aziz is also a featured contributor for Forbes Middle East and Futurism, which is a media portal featuring the latest scientific breakthroughs and technological innovations. He regularly contributes about cryptocurrency and blockchain technology applications across a variety of industry sectors. Lastly, Aziz holds a

first-class degree in Islamic Finance at the International Islamic University of Malaysia.

### ABOUT MASTER THE CRYPTO

Master The Crypto is a knowledge hub and a resource center for everything Cryptocurrencies and Blockchain. With the technical complexities of the Cryptocurrency industry a major hurdle to the masses, MTC aims to bridge the gap by featuring articles that are broken down and easy-to-understand for many. From comprehensive guides in Crypto investing to a general overview of key

technical concepts, MTC provides a wide range of content for those interested in familiarizing themselves with Cryptos. MTC also offers supplementary learning tools to better educate our readers, through offering a free fundamental analysis checklist in the form of an eBook. A free 3-part video series has also been launched, covering the basics of Crypto investing that includes an overview of Blockchain technology, the importance of fundamental investment analysis of different Coins, as well as an introduction to

technical analysis - or the study of price charts and movements - specifically geared towards the Crypto market. With that, MTC intends to create a culture of Crypto due diligence and analytics, so as to further enhance the knowledge base of readers. We believe that knowledge is the weapon one needs to protect themselves in a highly complex and technical field.

# BLOCKCHAIN & BITCOIN

## Application & use of cases of blockchain: cryptocurrency payment processing systems

**Baimuratov Dmytro**

Affiliation: Dash, Decentralized Autonomous Organization

### ABSTRACT:

Blockchain is the most secure and innovative technology that was invented after the internet. It has applications in every single area, including transportation, governance, finance, storage, voting, medicine, gaming, crowdfunding, etc. The most promising one is payment industry where I'm going to be focusing on deeper.

### AIM:

To describe a full aspect of blockchain implications in modern society and show real practical use cases in blockchain payment industry for 2018.

### MATERIALS AND METHODS:

A deep market research was conducted where certain predictions for blockchain related projects were made based on the current working companies, active development of 2-tier and masternodes networks, offchain protocols, contactless technologies, recent patents by IBM and Mastercard, etc. Each item can be described separately but together they give a clear picture of what are the most required areas and features for the payment industry in the next few years.

### RESULTS:

As a result, up to 20 different projects were compared, 5 distinct technologies were found, over 20 people have been interviewed. That gave a big understanding of what does the market need and what can be improved.

### CONCLUSIONS:

According to the results of this study, several drawbacks of existing payment systems were discovered which has led to creation of the next-generation cryptocurrency processing system that can solve the problems of merchants, customers, cryptocurrency owners, Point of Sale software providers.

### KEYWORDS:

Blockchain, cryptocurrency payment system, multicurrency wallet, decentralized Point of Sale network.

### BIOGRAPHY:

Baimuratov Dmytro is a Blockchain advisor at CryptoGroup and a contributor to Dash – the first ever decentralized autonomous organization. He has successfully launched 4 projects in this area with overall budget of over $150,000.

He is a regular speaker at blockchain related conferences, among which: Kuna Stakeholders Conference, Coinference, Bitcoin Talks Ukraine: Business edition, Blockchain Conference Kiev.

He has an extensive experience in leading integration of cryptocurrency payments for small and medium businesses

## Human Capital Considerations for Blockchain Implementation

### Bryant Nielson, CEO

Affiliation: The Blockchain Academy Inc.

### BACKGROUND:

Aziz Bin Zainuddin is a Blockchain expert with a passion for evangelizing the revolutionary technology. He is the Founder The Blockchain Academy Inc. is a global training company. Delivering programs on bitcoin, blockchain protocols, cryptocurrencies and smart contracts. We a focus on two channels, Senior Management/Stakeholders and Developers. As part of our live & online training, we deeply integrate technology into our training curriculum which are used by corporations and universities.

Bryant leads a team of instructors and programmers which use 'technology' to enable learning on a global scale. The Blockchain Academy Inc. maintains offices in New York & New Jersey.

### INTRODUCTION:

As more and more organizations go beyond proof of concept and begin to pilot and roll out blockchain projects, there will be a need for highly skilled blockchain practitioners, from developers to architects and in-house experts. This session will explore the human capital requirements including training and education, staffing and recruitment, culture management and change.

### AIM:

To raise awareness of the need for companies to manage their human capital resources for terprise deployment of blockchain technology.

### MATERIALS AND METHODS: n/a

### RESULTS: n/a

### CONCLUSIONS:

Companies need to manage the coming talent needs that are going to impact them with the deployment of blockchain. Specifically dealing with: Blockchain training & Development

Recruitment & HR

Encouraging diversity in Blockchain

### KEYWORDS:

Blockchain, Human Capital, Implementation, Technology

### BIOGRAPHY:

Bryant Nielson is the Founder and CEO of The Blockchain Academy.

The Blockchain Academy offers both live and online video based programs, delivered by industry experts, on the role of blockchain, its impact on central banks, financial institutions, trade finance, settlement, smart contracts, IP as well as blockchain developer education.

Bryant has written extensively about Blockchain and is a regular speaker at blockchain conferences globally. He has delivered talks at numerous conferences in New York, Chicago, London, Mexico City, Moscow and Dubai. He currently delivers courses on Blockchain Essentials as well as Blockchain for Lawyers. He is also the host of a blockchain podcast: Blockchain360.

# Entrepreneur Certified Blockchain professional and Coach in personal finance

**Camille Lagueu**

Affiliation: Blockchain Institute of Technology (https://blockchaininstituteoftechnology.com)

## ABSTRACT:

### INTRODUCTION:

An increasingly changing world dominated by the digital ecosystem.

The fourth industrial revolution is underway and Blockchain technology is one of the key pillars;

some have dubbed it the "machine to create trust".

### AIM:

The Blockchain is a decentralized and distributed digital ledger which records data or

transactions continuously without the possibility of modifications or deletion once approved.

### MATERIALS AND METHODS:

A disruptive innovation greater than or equal to the of Internet in the 90s in line with TCP / IP

(Internet communications), SMTP (email), or FTP (file transfer). Blockchain stands out as a tool

or medium for transferring values or properties over internet.

Blockchain as a solution its requirements for business:

- Distributed ledger, recording system distributed by adding - only to share through the

business network

- Confidentiality Ensured appropriate visibility transactions are secure, authenticated and

verifiable.

- Smart Contract: Business terms embedded in the transaction database and executed with

transactions.

- Trust: Transactions are approved by the relevant participants.

### RESULTS:

Time saving: transaction time, from day to almost instantaneous

- Cost reduction: overhead, structure and intermediary costs

- Risk reduction: Handling, fraud and cybercrime

- Gain of trust: Through shared resources and the maintenance of a common registry

### CONCLUSIONS:

In the light of the above, there is a need for Key players in blockchain adoption; such as

entrepreneurs, academics, Industrial and corporate group and especially Regulator / Government

Authority.

### KEYWORDS:

Blockchain technology; Bitcoin; Cryptocurrencies; Smart Contract: Decentralization

### BIOGRAPHY:

Camille has completed his BBA and Master degree at Intec-Cnam of Paris and has passed many

certificates in finance, digital marketing and Blockchain technology. He is the Senior Vice

President, Francophone African Market Operations with https://www.surebanqa.services/ which

aims to launch an ICO to develop a platform on blockchain technology to help the unbanked,

underbanked and underserved in developing countries to become financial inclusive and run their

own bank. He has many years of work experience with several companies in the past.

# BLOCKCHAIN & BITCOIN

## Crypto-economy application for start-up

**Christophe Cogno**

Affiliation: AKA ETH Innovation Quebec City Canada

### INTRODUCTION:

We believe it is time to disrupt how entrepreneurs, their associates and partners interact altogether. Trust is the key ingredients to entrepreneurship it is required to start, to recruit to finance. Blockchain is a game changer for stratup. Not because it is trustless has often misinterpreted but because it can play a trusted third party role without having to overpay some middle man.

### AIM:

To help entrepreneurs who want to start their project by minimizing their legal costs and simplifying management.

To help incubators support entrepreneurs by offering them legal and automated key software solutions.

### MATERIALS AND METHODS:

Access to services requires the possession of a token. The Ether value of the Token materializes a prepayment for the services. It is necessary for the use of smarts-contracts of the network. The Token is consumed by the use of services.

Other purpose of the token

Allows setting up KYC and AML (network players can use a nickname but their account is necessarily linked to a duly identified

physical person (uPort de Consensys)

Protect yourself from the volatility of cryptos

AKA network effect management

Reinforce the protection of operations carried out on the ETH network

### RESULTS:

Speed of implementation of standard contracts with embedded notarial properties.

Knowing if particular legal help is required

Simple and fun tools plus online governance of the company.

### CONCLUSIONS:

Automate and disrupt activities and relationships between entrepreneurs, their associates and other partners.

Software suite offering, for a fraction of the price, the peace of mind that comes with the use of a lawyer - standard contract

Start-up governance tools (voting and distribution tools, digital registries ) : The recording of transactions (whatever their nature) in the blockchain serves to demonstrate in a non-repudiable way their existence.

### KEYWORDS:

Blockchain - Ethereum - Start-up services - LegalTech – Legal Smart-contract - Incubators friendly

## Using Semantic Technologies for Increased Interoperability Within Blockchain Ecosystems

**Deep Prasad**

Affiliation: HealthBlock Identity Inc., Toronto, ON

### INTRODUCTION:

Canada's Health Care system relies on a complex network of unique Electronic Medical Record (EMR) software applications for providing patient care and retaining relevant healthcare data. This makes congregating health care data across all EMRs a unique challenge.

### AIM:

To use ontology mappings in order to evaluate and organize the data being inserted into the blockchain from different EMR platforms.

MATERIALS AND METHODS:

Several ontologies related to the medical field were identified such as bioPAX and Gene Regulation. Using an online web tool, the ontologies were mapped against each other and the resulting mapping was organized into the blockchain.

### RESULTS:

The mapping technology identified 7 similar concepts between the 2 ontologies. These 7 concepts were then programmed into the blockchain and made into searchable attributes of a patient's health care record.

### CONCLUSIONS:

According to the results of this study, ontology mapping provides a method of agreeing upon the similarities and dissimilarities regarding the nature of the health care data collected on the same person between 2 or more participants in the network.

### KEYWORDS:

Blockchain, Semantic Technologies, Ontology, Healthcare

### BIOGRAPHY:

Deep Prasad received his degree in Industrial Engineering from the University of Toronto. Prasad is a certified Ethereum developer and also has expertise in Artificial Intelligence with a focus on Natural Language Processing. He is the Chief Technology Officer of Healthblock Identity Inc., a company that is working to bring blockchain to the health care system in order to change the way patient identity is tackled in Canada.

# BLOCKCHAIN & BITCOIN

## Blockchain Arquitect and Fintech Entrepreneur

**Diogo Romano Souza**

Affiliation: Rio de Janeiro University Center

### INTRODUCTION:

Visionary and Blockchain Mastermind in South America whose goal is to create new technologies in electronic payment market, to bring more creative and simple solutions to the users having security as top priority. PagChain is the most sophisticated platform of Blockchain As a Service (BAAS) in the market.

### AIM:

To revolutionize the Fintech world bringing a disruptive and innovative solution using the Blockchain in various types of business.

### MATERIALS AND METHODS:

A laboratory study was designed and put into practice inside of one of the biggest banks in Brazil in order to test a disruptive method in the use of Blockchain as a service. Different groups of different activities exhaustively worked together to put in the market a platform that revolutionizes the security and efficiency of deals based in tokes (smart contracts) and crypto currencies.

### RESULTS:

The result came with 3 different startups and dozens of use cases in enterprises that ranges from Fintechs to Insurance and Energy Companies.

### CONCLUSIONS:

According to the results of this study, a huge and solid platform was released to the market in order to revolutionize the relationship of the clients and the companies.

### KEYWORDS:

Blockchain, crypto currency, bitcoin, smart contracts, Money revolution

### BIOGRAPHY:

Diogo Romano is a 35 years-old and a Post Graduated Developer that created the US$ 100 billion money transaction company in Brazil REDECARD acquired by a huge Brazilian Bank. Diogo has left the company and dedicated his efforts to the disruptive world of the crypto currency. Convinced that the future is about to face a Bank Disruption Diogo has already created three companies using Blockchain Technology. Winner of Fintech Prizes in Brazil as INOVABRA and ESTACIO ASTRONAUT he is CEO of Pagchain a São Paulo located Blockchain Company.

## The blockchain: the principal disruption in the financial services industry

**Eugenio Duarte**

Affiliation: Universidad Internacional Iberoamericana (UNINI USA); Universidad Europea del Atlántico (Spain)

### INTRODUCTION:

The objective of this research is to determine the impact that the blockchain technology will have on institutions, particularly in the industry financial sector. The Blockchain is a technology that allows multiple entities to share a common database in a decentralized and distributed way, without the need for intermediation, where the consensus for the management of information is automatically performed through mathematical algorithms.

The study describes the operation of the blockchain technology in its different categories: public, private and hybrid or consortium, indicating the advantages and disadvantages in each case. Concerning the public blockchain, we deepen in Bitcoin and Ethereum, both permissionless, decentralized, with hundreds of distributed nodes on the Internet where each holds a complete copy of the blockchain.

Additionally, we study the hybrid blockchain, permissioned, partially decentralized, only accessible to a predetermined group. For the development of this research, we consult specialized books, articles, reports, news, academic investigations and expert opinions, with the purpose of defining the relevant concepts, capabilities and, benefits of the blockchain. Additionally, we analyze some use cases within the financial sector to determine which specific problems solve and which processes improve this technology. The study concludes that, in certain scenarios, the blockchain technology is superior to a traditional distributed database because it provides more significant advantages in data processing, consistency, redundancy and information security, without the need for intermediation, eliminating from the equation the human factor of confidence. Due to regulatory and technical drawbacks faced by financial institutions, among the different categories of the blockchain, the permissioned hybrid model will be the preferred option in the short term in the industry.

### Keywords:

Blockchain, Bitcoin, Ethereum, Fintech

### Biography:

Eugenio Duarte is the Senior Technical Analyst of the ecommerce platform at Aldo Group, Montreal. He has a bachelor's degree in Computer Systems Engineering, an accredited international Master ofBusiness Administration (MBA) from Europe and North America, and various IT certifications in technologies such as cloud computing, networking, security, wireless, voice over IP, and Linux.

### He is the author of two books:

1) Invierta y hágase Rico en la bolsa (a beginner guide to stock investing);

2) Blockchain: la última disrupción en el sector financiero (a complete guide to Bitcoin and Blockchain

technology).

**Bitcoin**

**Hesham Rehman**

Affiliation: Bitxoxo Bitcoin Exchange

## INTRODUCTION:

The decentralized form of cryptocurrency Bitcoin is the most talked digital currency worldwide. The rapid growth has been observed since the Bitcoin is introduced among the people.

Within no time the price of bitcoin shot so high which attracted the leading exchanges to launch future contracts and multiple countries started adopting the digital currency and using as a mode of payment. This is a great achievement as well the opportunity to go digital in every form in our fast working lives.

## Biography

Mr. Hesham Rehman is the self-made entrepreneur. At a very young age, he decided his goal in the finance domain. He is a former founder of web development company TechSuvidha and currently the CEO & Co-founder of Bitxoxo (Bitcoin Exchange in India) at the age of 29. He pursed MBA from Amity University, India and highly qualified and expert in Computer programming.

## Blockchain Revolution: A structural change in Insurance

**Muhammad Izhar Mehar**

Affiliation: Masters of Business Analytics at Schulich School of Business

### INTRODUCTION:

The basics of Blockchain and the underlying technology and innovations that enables its inception. Explain the main purpose of blockchain how it cultivates trust between participants of the network and allows them to work collectively on tasks without the interference of intermediaries such as the Banks. And further explain how Trust is the base foundation of our society and how blockchain will further improve it.

### AIM:

Explain Blockchain's use in the insurance industry and how it has the potential to revolutionize the industry to its very core. Also explain how Blockchain will change its perception of being a laggard to being customer-focused and service-oriented. And how it will change all the processes and procedures of the industry.

### MATERIALS AND METHODS:

Explanation of the research, the highlighted problems and the highlighted solutions through the use of the team's software. It will explain how there are lacking in the Communications and linkages department, data analysis methodologies and data accessibility interfaces. It will explain how that research was done and what can be done about them. Then it will move towards the solution and explain how it will radically change the insurance industry

### RESULTS:

Blockchain has been applied to many different industries around the world and it is changing their outlook! It is also being applied in the insurance industry through various pilot projects and the presentation will further explain their benefits and uses!

### CONCLUSIONS:

How blockchain will change the world and bring it towards equality! How it is a revolutionary technology that will change the way that societies work and operate!

### KEYWORDS:

Blockchain, Insurtech, Insurance, Business to Business Insurance

### BIOGRAPHY:

I'm a 4th year student at Schulich School of Business and a currently a part of The BlockchainHub as a Start-up Advisor, responsible for directing startups for effective and successful implementation of Blockchain ideas into practice. To further complement my education and understanding about Blockchain, I have accepted my offer from Schulich School of Business for Masters of Business Analytics. I will also be speaking at TEDx about Blockchain and Insurance on March 29th, 2018 at York university. Alongside my education experience and keen interest in Blockchain, I'm an entrepreneur and have successfully built two technology start-ups in the past 4 years with last year's aggregate revenue of over $1 million.

# BLOCKCHAIN & BITCOIN

## Supercharging blockchain addoption

**Jan Sammut**

Affiliation: CEO, RefToken, The world's first decentralized affiliate platform

### INTRODUCTION:

A realistic assessment of the challenges facing blockchain and decentralized startups competing with their centralized competitors, as well as potential solutions to the problem.

### AIM:

To evaluate the competitive landscape the thousands of distributed applications currently undergoing ICOs will compete in.

### MATERIALS AND METHODS:

Market data, primary and secondary analysis as well as first-hand experience garnered from 10 years in the field

### RESULTS:

N/A

### CONCLUSIONS:

If blockchain startups are really going to disrupt their respective sectors, they are going to require a new approach to user growth and product development.

### KEYWORDS:

Blockchain adoption, marketing, ICO, distributed applications

### BIOGRAPHY:

Jan Sammut is the founder and CEO of RefToken, the worlds first decentralised affiliate platform, as well as ICOMalta, a full stack ICO hosting provider. A marketer by profession, he has previously held executive positions at industry heavyweights such as IGT plc, Stars Group and Highlight Media Group.

## Blockchain for Infrastructure Agnostic Supply Chain and Tokenisation for Responsive Supply Chain

**Jeremy Goodwin**

Affiliation: Johns Hopkins SAIS

### INTRODUCTION:

Blockchain technology can serve to tie together broad diverse supply chains across organization regardless of database architecture yet with the commonality of security authorization and document authentication. In this way it will streamline the procurement and lifecycle tracking efficiency of tier 1, 2, 3 supply chains for organizations large and small. Tokenisation will serve as the "grease" providing customized incentive frameworks for more responsiveness and greater liquidity in blockchain-enabled modernized supply chains.

### BIOGRAPHY:

Bio on Jeremy Goodwin/CEO of SyncFab

Jeremy is an international fintech executive fluent in Chinese and French and social impact entrepreneur passionate about technologies improving on the human condition including Additive and Advanced Manufacturing, AI (artificial intelligence), Bitcoin, Blockchain, Cleantech, Crypto, Decentralization, DLT (Distributed Ledger Technology), Ethereum and ML (Machine Learning).

Currently, Jeremy is CEO of SyncFab an IIoT Industry 4.0 Blockchain Manufacturing Industry Partner to the $140MM US D.O.E. & D.O.C. Clean Energy Smart Manufacturing Innovation Initiative (CESMII) appointed by the White House and US Departments of Energy and Commerce National Network for Manufacturing Innovation (NNMI). SyncFab is also the San Francisco Mayor's Office of Civic Innovation - 2016 Startup in Residence (STIR) in partnership with the Cities of San Leandro, Oakland and West Sacramento.

From 2008 - 2012, Jeremy served as Executive President and CFO of China Advanced Construction Materials Company leading it to peak performance of 2,000 employees and NASDAQ IPO. As the only bilingual member of the company board of directors, he was responsible for negotiating large international contracts, implementing SOX 404 compliance, managing international accounting audits, SEC and shareholder communications. Jeremy successfully clinched a $100M Private Equity investment offer in support of company expansion plans and NASDAQ listing before board decision to privatize.

From 2002 - 2008, Jeremy was Managing Director of 3G Capital Partners and Global Capital Group - Trans-Pacific Merchant Banking Firms with more than $250M in transactions. Mandates ranged from $100M plant modernization for ShaGang Steel - China's 5th largest to a $20MJV with NYSE Mueller Industries.

From 1996 - 2002, Jeremy worked as a financial executive at ING Barings, Baring Capital Partners, ABN Amro, Mees Pierson in New York, London, Amsterdam, Geneva, Beijing, Hong Kong in mandates including Caryle Partners first $1BN Fund.

# BLOCKCHAIN & BITCOIN

## Use cases of Blockchain Technology across Industries

**Kabir Basu**

Affiliation: Schulich School of Business, York University

### INTRODUCTION:

Blockchain Technology is finding it's application across industries. Interested people know about the benefits of adopting Blockchain Technology for their businesses/personal use.

### AIM:

Speaker will give an overview of existing and upcoming use cases across industries. He'll discuss the use cases in lay man's terms and try to take the audience through a step by step journey from the inception to the implementation of some use cases.

### MATERIALS AND METHODS:

Secondary research and primary research from friends in the industry. The quantitative analysis present in the speech is based on research data and some logical assumption.

### RESULTS:

A nicely woven, engaging speech to make people aware about the existing industry landscape.

### CONCLUSIONS:

The use cases are just an overview of what's happening around the world. The change is coming, better embrace than perish!

### KEYWORDS:

Blockchain Technology, Use cases

### BIOGRAPHY:

Kabir is a MBA graduate from Schulich School of Business with Strategic Management major. He's working with a Blockchain Technology based startup- The Blockchain Mind, as the Head of Strategy and Business Development.

## IOT Solutions

**Kulwant Singh**

Affiliation: Johns Hopkins SAIS

### INTRODUCTION:

The Internet of things (IoT) is the network of physical devices, vehicles, home appliances and other items embedded with electronics, software, sensors, actuators, and network connectivity which enables these objects to connect and exchange data.[1][2][3] Each thing is uniquely identifiable through its embedded computing system but is able to inter-operate within the existing Internet infrastructure.

Experts estimate that the IoT will consist of about 30 billion objects by 2020.[4] It is also estimated that the global market value of IoT will reach $7.1 trillion by 2020..

### AIM:

The Internet of Things (IoT) is aimed at enabling the interconnection and integration of the physical world and the cyber space.

### RESULTS:

IOTA has 4 HUGE advantages over Blockchain cryptocurrencies

Scalable

Decenteralized

Modular

Fee Less

### CONCLUSIONS:

According to the results of this study, As much as Network will grow for IOTA, transaction would be more faster and cost less as its based on Tangle.

### KEYWORDS:

IOT; IOTA; Tangle, Blockchain.

### BIOGRAPHY:

Kulwant Singh has completed his M.Sc- IT at the age of 27 years from AAIDU Allahabad and Bachelor from Punjabi University, Patiala , INDIA. He is the director of Percept Software Systems Pvt Ltd., a premier IT service organization. He got following international certification based on his skillset

SCJP- Sun Certified Java Professional

MCSE- Microsoft Certified Professional

MCP- Microsoft Certified Professional ( Dotnet 2.0)

OCA- Oracle Certified Associate.

# BLOCKCHAIN & BITCOIN

## Enterprise Blockchain: There is more to blockchain than cryptocurrency

**Leon Katsnelson**

Affiliation: IBM Digital Business Group

### INTRODUCTION:

The world of blockchain seems to be split in to "Suits" and "Hoodies". While Hoodies have captured the imagination of the society with cryptocurrency and ICOs, Hoodies have been hyping the potential applications of blockchain in the enterprise and demonstrating it with PoCs largely focused on FinTech. However, much of the broader potential of the blockchain technology for non-crypto remains to be discovered and exploited.

### AIM:

Consider applications of blockchain technology in enterprise setting. Take a closer look at features and functions required and valued by enterprises specially for non-traditional applications.

### MATERIALS AND METHODS:

This talk will focus on applying blockchain technology to solving problems of fraud of academic credentials and professional certifications. It will discuss the technology choices we had to make when building a blockchain to satisfy rigorous requirements of national governments, academic institutions and professional education and certification organizations and how we reconciled these requirements with the blockchain ethos for eliminating non-value intermediaries and trusted third parties.

### RESULTS:

To build a blockchain of academic credentials we had to evaluate a number of blcokchain technologies including Bitcoin, Ethereum and Hyperledger. We evaluated these technologies from multiple technical and business dimensions including privacy, security, scalability, ease of operation and participation and acceptability to various governments and institutions.

### CONCLUSIONS:

Each of the blockchain technologies we considered has strong and weak points and there is no clear winner though Etherium and Hyperledger have significant advantage in the enterprise setting especially when applied to our use case. Hyperledger Fabric offers a lot more flexibility at the expense of complexity. We will disclose the details of implementation at the talk.

### KEYWORDS:

Blockchain; Etherium; Hyperledger; Enterprise

### BIOGRAPHY:

Leon Katsnelson is a Director and CTO for IBM Strategic Partnerships and Data Science Ecosystem. He has word-wide responsibility for democratizing access to emerging technologies. He works at the IBM Canada Laboratory where he leads a team of brilliant developers and data scientists who build, help others and educate the world on the next wave of technology. Leon and his team focus on blockchain, AI and data science and cloud.

# Efficient internal and external trade with Blockchain and Bitcoin technology, the ISBIT Exchange case

**Sebastian Acosta Checa**

Affiliation: Universidad Nacional Autónoma de México, Actuary & Maths

## INTRODUCTION:

Blockchain, the technology that governs the creation and exchange of digital assets, is a public book, a collective transaction memory that allows you to track transactions and make payments without having to rely on an intermediary, to which all participants in the system have access. In addition to Blockchain, another necessary "ingredient" is the "Consensus Mechanism" that establishes the protocols or rules by which the participants coincide periodically and by which the sequence of transactions that have occurred with cryptographic certainty is impossible to rape.

In the case of bitcoin, the most famous blockchain of all, it is through the consensus mechanism that the "coins" or units of account can not be spent more than once and the rules governing monetary policy are exercised and the introduction of new currencies in circulation. In the coming years, perhaps, we will see versions of Digital Assets created by governments, corporations, commercial banks, international institutions such as the IMF or World Bank and others.

## AIM:

To develop an efficient, profitable, and less cost-effective industry for monetary, commercial, foreign trade and remittance transactions, for the benefit of the Mexican economy and society. It follows that it is part of our objectives to efficiently operate companies by reducing the cost, duration and risk of their transactions as well as optimize the use of human resources by automating treasury management tasks and other areas that require payments or currency exchange. It is also part of our goals to help corporations evolve and become Intelligent Enterprises, with processes that are operated by software freeing the time of workers for more creative tasks. In addition, we seek to support companies that specialize in sending money to improve their social objectives, since the benefits indirectly impact migrants in the form of lower costs and quicker availability of the money they send to their families.

## CONCLUSIONS:

What ISBIT proposes is a paradigm shift. We seek to democratize international payments and replace the foreign oligopoly that has controlled international payments for decades. Let us see the offer of companies that together offer a substitute / alternative service to ISBIT. In the process of international payments where it is necessary to convert currency, CLS BANK services are generally used. In Mexico, companies do not have direct access to the CLS platform, only some large financial institutions. ISBIT unlike CLS gives market access to all those who have legitimate reasons to exchange currencies electronically. Also in the process of international payments SWIFT is commonly used as the infrastructure to send encrypted messages, send instructions and notify the parties involved of the status of payments. SWIFT's high degree of centralization has caused this infrastructure to be hacked repeatedly. We carry out the tasks of tracking fund transfers, notarization and transmission of messages guaranteed through block chains that have never been violated. Performing messaging, clearing and currency conversion with a single provider eliminates complexity.

Some banks in Mexico offer the international transfer service. Examples are CITI or HSBC. A limitation of the services offered by these institutions is the lack of an application programming interface (API) that allows the automation of the processes of sending international payments as well as their tracking. When payments are controlled from the organization's software (Business Management Systems or ERPs such as SAP, ORACLE, IBM, etc.), human error is eliminated and transactions can be made faster. Also the exchange rate offered by these suppliers is usually expensive as they apply a "margin of error" to take into account the movement in the price of the currencies involved in the transaction during the period of time it takes to complete the process.

## BIOGRAPHY:

Sebastian Acosta Checa, Sebastian's fields of interest are the intersection of cryptography, artificial intelligence and finance. He studied Mathematics and Acted in the Faculty of Sciences of the UNAM and has extensive experience in the Financial Services and Technology sector. Sebastian previously worked on the development of a mobile payment application for ING BANK. Sebastian developed an Intelligent Financial Information Analysis tool for PricewaterhouseCoopers. In the area of Risk Management, Sebastian participated in SM4RT in the development of a tool based on Neural Networks to detect fraud in credit card transactions.

# BLOCKCHAIN & BITCOIN

## Managing Partner F1Cryptos Re: Mining & Trading of Cryptos

**Michael Buchbinder**

Affiliation: F1Cryptos - Digital Cryptocurrency Exchange Owner

### INTRODUCTION:

How do you get involved in cryptocurrencies? You can mine them, you can buy or sell them. You can launch your own currency or ICO. Join us as we examine the different ways you can participate in the world of blockchain.

### AIM:

To educate the audience of how to buy sell and store cryptocurrencies as well as examine the intricacies of investing in an ICO.

### MATERIALS AND METHODS:

On Coin Market Cap there are over 200 exchanges listed. Learn how to find an exchange to buy or sell cryptocurrencies. Learn how to find and invest in ICOs and what are ICO's. What matters to you when picking an exchange. Quickly examine questions from the audience regarding their participation in cryptos.

### RESULTS/CONCLUSIONS:

Attendees will learn where to go to find different exchanges and ICO's to invest in. They will learn about storing their currencies and they can ask any questions they like.

### KEYWORDS:

Blockchain. Bitcoin. Ethereum. ICO'S. Cryptocurrencies buy/sell exchange. Wallet. Cold storage.

### BIOGRAPHY:

Michael Buchbinder holds a Bcom and MBA in finance and entrepreneurship. He has over 9 years experience in the exchange space covering both FX and crypto currencies . Michael is a believer of and continuous student in Blockchain and its applications. Michael enjoys travelling, getting outdoors, playing some golf and trying cuisines from around the world.

# BLOCKCHAIN & BITCOIN

## Network Effects and Creating Global Micro-Communities

**Michael Gord**

Affiliation: Founder & CEO of MLG Blockchain Consulting

### INTRODUCTION:

An Airdrop is when a large number of people are able to receive a set number of tokens by attending an event to learn about the token project and community. If these micro-communities are given the resources to grow, what starts as a small group of disjointed enthusiasts can become a powerful thriving distributed global organization.

### AIM:

To introduce the concept of an Airdrop and explain how creating global micro communities can lead to large scale macroeconomic changes.

### MATERIALS AND METHODS:

Michael Gord has hosted global airdrops since 2015 at universities and tech hubs around the world. He has learnt how to optimize the airdrop to ensure that the communities around the world learn about the token, understand how to hold it and use it and how to empower the community leaders to continue to grow their community.

### RESULTS:

Michael and his team have airdropped tokens to thousands of people in cities around the world and has launched thriving micro-communities.

### CONCLUSIONS:

Airdrops are a great way to generate interest for token projects and create micro-communities which leads to large scale societal change.

### KEYWORDS:

Network Effects; Token Airdrop; Micro-communities

### BIOGRAPHY:

Michael Gord is the founder and CEO of MLG Blockchain, an enterprise blockchain and ICO consulting and development firm, and the director of the Blockchain Education Network, a robust global network of blockchain enthusiasts. Michael is also the founder and CEO of Bitcoin Canada, sits on the board of directors of the Blockchain Association of Canada, is an advisor and investor into several prominent blockchain ventures and writes for Bitcoin Magazine in addition to several other fintech publications.

Michael is an active pioneer in the blockchain industry and has organized global annual events which introduce thousands of people around the world each year to their first bits and to the disruptive potential of blockchain technology. Some of these include the Bitcoin Airdrop, Blockchain Education Month, Blockchain Madness, Blockchain Gauntlet, Bit-Crawls, etc. Michael is also regularly featured as a speaker at fintech industry events and conferences around the world.

Michael holds a degree in Entrepreneurship, Marketing and Information Systems from the Desautels Faculty of Management at McGill University, where he founded the McGill Cryptocurrency Club and co-founded the McGill Students Fintech Association. After graduating, Michael made the first donation of bitcoin to the McGill Alumni Association.

# BLOCKCHAIN & BITCOIN

## Talk Unlocking BoT – Blockchain of Things

### Salman

Affiliation: Genre Fusion of Advanced Technologies

### INTRODUCTION:

Key Take Away Point Talk will provide insights how "Blockchain is promising for IoT security: It provides assurances that data is legitimate, and the process that introduces new data is well-defined."

Key take away points of talk are:

Understanding Blockchain as layman  Comprehend profound benefits when "Blockchain Meets IoT"

Internalize BoT (Blockchain of Things) use case with through application of Watson IoT Platform with blockchain

Set a strategy to prepare for the emerging Decentralized Economy with BoT

### Brief Description

It is undeniable that IoT and Blockchain are two of the major technologies that are catalyzing the pace of innovation and introducing radical shifts in every industry. Each technology has its own degree of technical complexity as well as business implications but the joint use of the two may be able to redesign the entire technological (and human) paradigm from scratch.

This talk wants to give a flavor of the potentialities realized at the intersection of IoT and Blockchain and discuss standard concepts, challenges, and benefits of this alliance, as well as about some interesting use cases in this space.

### Biography:

Being a Technology Futurist, Salman is early Blockchain adopter and key influencer in the space, currently empowering the next wave of Blockchain innovators through evangelizing, training & speaking at global forums. He's a results-driven performance and organizational efficiency professional with over 16 years in hybrid corporate & entrepreneurial roles aligning People, Performance and Profit. Efficacious author and public speaker, Salman has been featured as success story in "Soul Beats @ UAE" the book published by Department of Economic Development of Dubai. He advises corporates, ICOs, senior managers on applications of Distributed Ledger DLT, Big Data & IoT and AI. Salman's role as Communication Lead is to facilitate valuable insights and information that investors, users and all stockholders of Zuflo can put to use right away. An expert in digital marketing especially for financial services. Salman lives, plays and works in UAE and on stages around the world committed to empower the human potential.

# BLOCKCHAIN & BITCOIN

## Security in IoT: Block Chain or OneM2M?

**Muhammad Umair**

Affiliation: University of Engineering & Technology, Lahore, Pakistan

### INTRODUCTION:

Assessment of Potentials of Block Chain and OneM2M for incorporating security in IoT. Discuss the results of combining Block Chain with Machine Learnning, OneM2M, Data Analytics and Internet of Things (IoT) etc. Discussion on IOTA protocol. Some core components of IOTA network etc.

### AIM:

To identify the pros and cons and challenges of combining Block Chain with IoT, OneM2M, BIG Data and Machine Learning etc.

### MATERIALS AND METHODS:

The communication stack of IoT will be elaborated. The way to icorporate security in this communication stack will be discussed. The existing tools and corresponding pltaforms (hardware and software) will be identified. The key elements of Block Chain and bitcoins will be identified and the fetaures which provide support for these elemements will be eleborated. Then we will compare OneM2M and Block Chain and whether their combination will be helpful or not. Finally I will put some light on IOTA protocol.

### RESULTS:

Some results of running the Block Chain functions on IoT nodes will be provided.

### CONCLUSIONS:

A more secure and adaptive security framework can be proposed for cryptocurrencies.

### KEYWORDS:

Bitcoin, Block Chain, IoT, OneM2M, BIG Data.

### BIOGRAPHY:

Muhammad Umair has completed his MSc. at the age of 24 years from University of Engineering & Technology, Lahore, Pakistan. He is working as Research Officer in IoT Lab at University of Engineering & Technology, Lahore. His research interests include Internet Security, Block Chain, IoT and BIG data. He has recently published a research paper identifying required hardware and software features for building a powerful SIoT application.

## ICO: long-term success factors

**Mukhtar Mussabetov**

Affiliation: Advisory Board Member at ICO Crowd Magazine; Founding Member of ISOC Blockchain SIG

### INTRODUCTION:

Analysis of 50+ completed ICO client projects, including the following critical components:

White Paper Development;

Technological Validation from Architectural and Development perspectives;

Ecosystem Design and Governance;

Business Model Tokenization;

Scalability;

Blockchain/DLT Platform/Dapp development

### AIM:

To share best industry practices and help blockchain startups learn from experiences of other companies.

### MATERIALS AND METHODS:

The presentation is an industry analysis based on 50+ critical reviews and advisory projects completed for  ICO clients.

### CONCLUSIONS:

More than 90% of ICO projects are not adequately prepared to hold their ICO and have very low probability to succeed as companies in the future.

### KEYWORDS:

ICO; Initial Coin Offering; Token

### BIOGRAPHY:

Mukhtar is a Founder & CEO of BlockSpace Labs Inc., a co-founder of 3 blockchain startups and a blockchain/Dapp development and advisory firm. He is a serial entrepreneur and has an extensive experience in:

founding and launching several successful hi-tech startups;

developing corporate governance systems for financial institutions to meet IPO requirements at major stock exchanges;

investment management, including negotiating economic and financial conditions of 20+ world-class, multi-billion deals in oil&gas and mining industries;

serving in senior and executive positions at multinational corporations; and

advising corporations on business strategy and BPM.

## Future is all about transparency

**Naveen Dhillon**

Affiliation: Antriex Technologies, Gurugram, India

### INTRODUCTION:

Transparency has enabled humans to realize their visions. It has marked challenges and obstacles with clarity and taught us how to overcome it. All technological revolution meant to make the existing system more efficient.

### AIM:

To understand the role of blockchain in making the financial system more efficient and transparent.

### APPLICATIONS:

Blockchain has demonstrated a solid proof of efficiency and transparency. From real estate, medicine, logistics to finance and store of value, crypto currencies and blockchain and added a great value to the system.

### RESULTS:

$4B raised by entrepreneurs in 2017 which is equivalent to conventional seed funding for start-ups. Numerous job opportunities created throughout the world and several banks and companies adopted block chain as legitimate technology.

### CONCLUSIONS:

Block chain and crypto currencies have a future but whether the system will work centralized, decentralized or a hybrid of both, needs to understood.

### KEYWORDS:

Block chain, centralized, transparency

### BIOGRAPHY:

Naveen has completed his graduation at the age of 22 years from Indian Institute of Technology, Roorkee (IIT). He is involved in financial markets since 2007 and traded in one of the world's most advanced financial systems in US and Europe. Being a derivatives trader, Naveen founded his company Antriex Technologies in 2017 which is one of the most advanced crypto currency exchange to be launched in May 2018.

# BLOCKCHAIN & BITCOIN

## Digital Crypto Consultant Blockchain & Identifiable Currency

**Nilam Doctor**

Affiliation: President & CTO, GreenCoinX Inc.

### INTRODUCTION:

He is the lead developer of GreenCoinX. Previously he was Owner of Hitarth Consultants a software consultancy firm focused on web based projects and digital currency. He was a Grant Committee Member of the Bitcoin Foundation promoting the Bitcoin protocol. He was also CEO of Real Bitcoins, an Indian based promoter of crypto currency. He has been a project manager and lead software developer for online educational companies, Learn without Limits, MobyMax, and Safal Education. He graduated with a MBA in Finance and a Bachelor of Engineering from Gujarat University.

### AIM:

To bring in identifiable digital currency to the global market place.

### MATERIALS AND METHODS:

I have tested the protocol and is working as per standards of the industry. It has its own independent blockchain to support transactions.

### RESULTS:

Isle of Man is the first country to support GreenCoinX, an identifiable digital currency.

### CONCLUSIONS:

Digitial currency is the future of economy, only if taken in the right perspective and enabled taxation for governments to provide infrastructure to its citizens

### KEYWORDS:

Blockchain, identifiable, cryptocurrency,

### BIOGRAPHY:

Working on Cryptography and bitcoin blockchain since 2012, given true value to bitcoin's anonymity, thus reducing friction among users, banks and governments.

## The Price of Decentralization, Privacy and Safety – Cold Storage

**Omar M Hannoun**

Affiliation: CryptoRecruit and MoonShot Asia, Sydney, NSW 2000, AUSTRALIA

### INTRODUCTION:

In 2008 a person or entity known by the name Satoshi Nakamoto real eased the Bitcoin whitepaper, a framework stating the issues with the current financial system and offering a solution to solve the issue by facilitating a trust-less digital currency that utilizes blockchain technology to solve the "double spend" problem and replace the need for the banking system. This proposed technology offered to replace our need for third parties to handle our finances, it came to give us back our financial freedom. As this abstract idea became a reality and we saw bitcoin sore to ne highs, holders became key targets for hackers due to the ease of access to unprotected users bitcoins and the ease of their transfer.

### AIM:

To evaluate and understand paper wallets and cold storage as a as a protective measure against security threats; highlighting their difficulties and purpose.

MATERIALS AND METHODS:

Market research engage to understand who uses cold storage and what the difficulties experienced are further data collected to measure the extent of hacks due to improper security measures.

### RESULTS:

Many hacks have occurred due to improper safety; Mt. Gox was hacked twice in 2011, hackers walked away with 2600BTC the first time and took 750,000BTC on the second hack. Many more followed; Bitfloor in 2012 lost 24,000BTC, Bitstamp in 2015 lost 19,000BTC and Bitfinex in 2016 lost 120,000BTC.

### CONCLUSIONS:

The vision that cam along with Bitcoin gave us back our financial freedom and put the power back into our hands, however power comes with responsibility. This new system proposes us being our own bank and as such only we ourselves are liable for our security. While this seems complex today as the industry grows and we gain mainstream adoption our pedigree of thinking will shift to a new norm helping us better understand our duties and responsibilities.

### KEYWORDS:

Bitcoin; Public and Private Keys; Blockchain; Double Spend; Cold Storage

### BIOGRAPHY:

Omar has completed a Masters in Business and Financial Management from the Sydney Business School. He is a lead ICO Advisor at MoonShot Asia and a talent acquisition expert for CryptoRecruit. A decentralization evangelist and early bitcoin adopter, when he learned about bitcoin in 2010 he was instantly fascinated and captivated by the potential behind the technology and the values of "Satoshi's vision" he began mining bitcoin and later moved onto investing and advising. He is extremely passionate about the field and its potential to change to world we live in to a better, fairer place.

# BLOCKCHAIN & BITCOIN

## The usability and scalability of the Ethereum Name Service in daily transactions

**Orest Byskosh**

Affiliation: Fourier Solutions

### INTRODUCTION:

The Ethereum Network currently requires long and tedious addresses to send Ether. An error of one character causes the entire amount sent to be lost forever, this is more common than one would think. The Ethereum Name Service was created to solve this issue.

### AIM:

To relay the promises of using the Ethereum Name Service as well as the value in Ethereum domain names. Additionally, wide scale adaptability of Ethereum in everyday businesses through the use of the Fourier Solutions platform.

### CONCLUSIONS:

The Ethereum Name Service provides a streamlining solution to processing transactions easier for many use cases such as ICOs, transfers, etc. More details on my presentation points can be found in the CryptoMudra article I published on the Ethereum Name Service: http://www.cryptomudra.com/2017/08/etherscan-based-ethereum-name-service/

### KEYWORDS:

Ethereum; Blockchain; ENS; Ethereum Name Service

### BIOGRAPHY:

Orest Byskosh, Northwestern University student studying Mathematical Methods in the Social Sciences (MMSS), Mathematics and Economics. Orest Byskosh previously served as a Research Assistant at Northwestern University's Feinberg School of Medicine where he worked with Matlab to process large data sets. He has published for CryptoMudra on the Ethereum Name Service.

## Securing IoT with Blockchain Technology

**Owen Bredan**

Affiliation: Cyber Security & Threat Intelligence Evangelist

### INTRODUCTION:

Blockchain has begun to have a significant influence in the Internet of Things by enhancing security, empowering the incorporation of an increasing number of devices into the ecosystem. The enhancements in IoT device security facilitate faster adoption of this revolutionary innovation, and will open up a wide range of possibilities for enterprises in the days to come.

### BIOGRAPHY:

Owen is a Technology visionary and a proven information security leader with success in guiding implementation of leading-edge technology solutions while balancing security initiatives to risks, business operations and innovations. He has a 10-year track record in leading organizations, often in extremely challenging circumstances and in time-sensitive situations.

Owen loves creating new entities and discovering creative ways of solving complex problems. He performs leading-edge security consulting and works in research and development as a security expert to advance the state of the art in information systems security.

Owen is the author of the book Cyber Security Law and Guidance 1st Edition and holds a master's degree in Information System Security.

# BLOCKCHAIN & BITCOIN

## The Crypto Manifesto

**Ron Herardian**

Affiliation: Consultant,  San Francisco Bay Area, California, United States

### INTRODUCTION:

Software engineers, investors and enthusiasts around the world are working to develop and support cryptocurrencies and blockchain technology. Individuals and businesses are investing in cryptocurrencies, ICOs and blockchain applications. What are the economic and political forces behind this phenomenon beyond technology innovation? What does the future hold?

### AIM:

Analyze in economic and political terms the underlying causes and motivations, as well as the foreseeable consequences, of cryptocurrencies and blockchain technology.

### MATERIALS AND METHODS:

Explore disruptive use cases for cryptocurrencies and blockchain technology using ideas and methods of drawn from economics and political philosophy.

### RESULTS:

The ultimate promise of cryptocurrencies and blockchain technology is a future world in which all forms of economic activity are facilitated by digital tokens using blockchain technology.

### CONCLUSIONS:

Cryptocurrencies and blockchain technology are poised to disrupt virtually every industry and the global economy.

### KEYWORDS:

Cryptocurrency, blockchain, economics, political philosophy

### BIOGRAPHY:

With a 20-year track record of success, Ron Herardian has been involved in Silicon Valley startups as a founder, investor, board member and advisor serving in multiple engineering, consulting and CxO roles. Ron currently works with startups and growing companies around the world as a consultant, advisor and interim CTO.

# Blockchain entrepreneur building new enterprise blockchain application platform

**Soorya Nath MM**

Affiliation: Doing Chartered Accountancy at ICAI, India

## INTRODUCTION:

Existing blockchain platforms are not capable of handling high volume transactions that our industry process daily. Scalability and security are the major barriers for the industrial adoption.

In order to effectively fruit distributed ledger technology, we have to work on this basic barriers, any industry implementing dlt will face this issue and that will be affected in their key business activity.

## AIM:

To felicitate the transition of industry to blockchain smoothly and swiftly by providing sustainable, scalable and secure blockchain platforms.

## MATERIALS AND METHODS:

We are building a new blockchain application platform focusing on enterprise use cases, improving scalability and security from both software and hardware aspect.

On demand scalability by hardware clustering, where capacity of the network can be adjusted to the requirement of the situation.

On demand hardware security where processors directly participate in the key generation and handling process, a remote hacker cannot access the network with out having the exact hardware used for implementation.

## RESULTS:

Completed the initial prototype, delivered 5x more performance than Hyperledger itself with out hardware clustering. We are aiming to make it to 10x.

Other features are in the prototyping stage.

## CONCLUSIONS:

A sustainable, scalable and secure blockchain platform is essential for the growth of the industry.

Without having enough scalability for handling high volume industrial transaction, blockchain technology will be a burden where ever it is implemented.

## KEYWORDS:

Blockchain, Distributed Ledger technology.

## BIOGRAPHY:

Completed computer science high school graduation in 2011, Joined chartered Accountancy, where started an independent project on Tax evasion and Good governance with technology, found blockchain from old school classmate who was a nerdy bitcoin miner and blockchain programmer, Started the company back in 2016 for doing research and development for enterprise blockchain platform, received incubation for the project from Central Government of India.

# BLOCKCHAIN & BITCOIN

## Quintessential Cryptocurrency Ecosystem Components

**Steven Dryall**

Affiliation: FinTECH Circle, London, UK

### INTRODUCTION:

Cryptocurrency ecosystem deployment requires the understanding of many subjects both technical and social. Creation of a viable cryptocurrency ecosystem requires careful management of concurrent developmental efforts. This presentation will provide an overview of the requisite components for a viable cryptocurrency ecosystem.

### AIM:

To show the requisite components of a viable cryptocurrency ecosystem. Deployment of the components outlined will result in a viable ecosystem.

### MATERIALS AND METHODS:

Incipient Industries has been involved with cryptocurrency development since the company was founded. Direct involvement with numerous cryptocurrency projects has lead to a proven method and system for the creation of a viable cryptocurrency ecosystem. Using open-source solutions combined with requisite tools it is possible to consistently create a cryptocurrency ecosystem with longevity and value.

### RESULTS:

Incipient Industries has been successful in the creation and deployment of cryptocurrency ecosystems. According to market valuations by leading industry sources, projects created by Incipient Industries have increased consistently from initiation to high multipliers. ROI is consistently assured.

### CONCLUSIONS:

According to the results of these efforts, the deployment of a viable cryptocurrency ecosystem is replicable using these methods.

### KEYWORDS:

bitcoin, cryptocurrency, digital money, ecosystem, decentralized, network

### BIOGRAPHY:

Steven Dryall is the Principal of Incipient Industries and a Founding Director of Nikola Tesla Unite Ltd. Steven was certified by The Royal Canadian Mint for "contributing to the evolution of currency".

Steven is a digital money strategist, deployment expert and thought leader. A direct contributor to some of the most important technological developments in our society relating to digital media, digital marketing and digital money. A technology pioneer with a deep, long background in the creation and distribution of digital goods and services.

Steven is currently working on changing the essence of economics using cryptocurrency and blockchain technology.

## Blockchain's Knowledge Gap

**Jenna Pilgrim**

Affiliation: Chungbuk National University

### ABSTRACT:

Blockchain is now infusing itself into every facet of the economy, and it's happening faster than anyone could have predicted. There is currently a growing knowledge gap between business leaders and big technology companies, which is ever widening as new innovations aim to eclipse the leaders of old paradigms. With the rise of ICOs, the Token Economy, and new governance models for society, how can business leaders keep up? Jenna Pilgrim, Director of Business Development at the Blockchain Research Institute in Toronto, Canada aims to give a lay-of-the-land-style address to help inform the discourse around this emerging technology. The Blockchain Research Institute is conducting the definitive strategic investigation of blockchain applications, use-cases and implementation challenges, aiming to inform business and government leaders of the implications of this technology on business and society

### Biography:

Jenna Pilgrim is the Director of Business Development at the $multi-million Blockchain Research Institute, which is conducting the definitive investigation of blockchain strategies, opportunities, and implementation challenges and is funded by companies and governments worldwide.

The BRI was founded in March of 2017 by Don Tapscott and Alex Tapscott, coauthors of Blockchain Revolution: How the Technology Behind Bitcoin is Changing Money, Business, and the World. Jenna was brought on by the Tapscott Group in 2015 to be the hype-master for Blockchain Revolution, which has now become a bestseller in Canada and has been translated into 12 languages.

Jenna holds a BBA in Finance from Trent University is a Certified Bitcoin Professional. Jenna co-founded her first company when she was just 18.

In any spare time, Jenna is a triathlete and road cyclist, stemming from her background in competitive Rowing. Active in her community, Jenna is a steward at CAMH Engage, and sits on the board of the Peterborough Rowing Club

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https://www.openaire.eu/search/publication?articleId=od_____2659::a408456498094e7a1fcf85982723cb1d

# BLOCKCHAIN & BITCOIN

## Emergence of Blockchain Technology in Financial Sector and Crowdfunding

**Sachin Bhargava**

Affiliation: CTO, Kakushin Ecosystem

### ABSTRACT:

This new revolutionary technology can be used for all transactions where the value is involved. Money, property, goods and services are examples where value-based transactions. An Abstract on how fintech is disrupting the banking and crowd funding sector, now with the rise of blockchain – a technology that has the potential to further disrupt the financial industry that we use every day for our business transactions.

### AIM:

To Promote the most prominent features of blockchain technology in financial and crowdfunding sector, to spread awareness about the potential of Initial coin Offerings , the interest in Blockchain is its central attributes that provide security, anonymity and data integrity without any third party organization in control of the transactions, and therefore it creates interesting research areas, especially from the perspective of technical challenges and limitations.

### MATERIALS AND METHODS:

A prospective study was conducted over systematic Decentralisation with the goal of collecting all relevant research on Blockchain technology. Our objective is to understand the current research topics, challenges and future directions regarding Blockchain technology from the technical perspective. We have extracted several primary papers from scientific databases.

### RESULTS

Blockchains could have widespread potential to disrupt financial intermediaries. Our in-depth study suggests several misconceptions & identifies hurdles to overcometo make blockchain areality in banking and crowdfunding. The opportunity is clear but the bluesky is too far off to

Impact , but industry heavyweights are sponsoring a widerange of blockchain usecases supportedby industry consortiums.

### CONCLUSIONS:

Blockchain and decentralisation is a very new technology and it is therefore still difficult to predict exactly what kind of an impact it will have on the financial market infrastructure. However, it certainly presents a number of interesting possibilities that deserve further investigation. They make it possible for people all over the world to transact securely on a peer-to-peer basis without trusted intermediaries. While this opens up exciting new pathways for individualized, human-centred markets, it also poses challenges for law makers, policy makers and regulators. It also offers a better transparent oppourtunity for crowdfunding through ICO.

### KEYWORDS:

ICO,Crowdfunding , Finance, Banking , Blockchain, Decentralisation
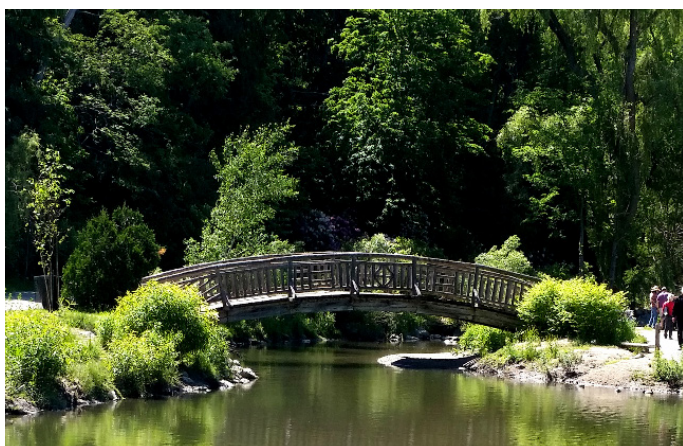
### BIOGRAPHY:

Sachin has completed his Bachelors of Engineering, Electronic and Electrical Engineering degree. He is the CO-founder and CTO of kakushin, and also he is technical team member and project manager of Cajutel with over 4 years of experience in blockchain industry. A highly motivated and experienced professional in ICO consulting , marketing activities, Building online reputation and managing all the Digital marketing activities.He is part of advisory board of several successful projects.

# INDEX

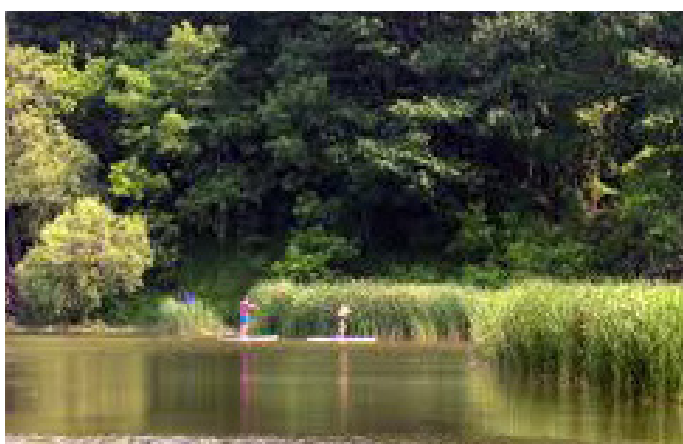# Tourist Attractions Of Toronto, Canada



Edward Gardens



Ontario Science Centre



Rouge Park



Toronto Centre for the Arts



Toronto Zoo Visit



Withrow Park

# Up Coming Conferences

International Conference On
**OPTICS, PHOTONICS & LASERS 2018**
Oct 03-04, Porto Portugal

International Conference On
**ADVANCES ON PEDIATRIC HEALTH CARE
PEDIATRIC NURSING 2018**
Oct 03-04, Porto Portugal

International Conference On
**SPORTS EDUCATION & SPORTS MEDICINE 2018**
Nov 08-09, Las Vegas, USA

International Conference On
**ADVANCES IN CLOUD COMPUTING, DATA SCIENCE
AND BIGDATA ANALYTICS 2019**
March 21-22, Paris, France

International Conference On
**CRYPTO BITCOIN & BLOCKCHAIN 2019**
March 21-22, Paris, France

International Conference On
**ARTIFICIAL INTELLIGENCE, ROBOTICS, MECHATRONICS 2019**
March 21-22, Toronto, Canada