ILTES - NEWS & VIEWS

Infinity Law- Tech Educational Services,LLP - India

SPECIAL ISSUE

Vol: 2, Issues: 5-8

May-August-2019

Communication at ILTES-India

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EDITORIAL

Advance Technologies such as Blockchain and Artificial Intelligence are gaining global recognition and massive applications. In next 10 years the financial world, trade, commerce and governance will witness unprecedented transformation. According to Bijin Bose, “Blockchain revolution has hit the right chord with investors around the globe. With each passing day, newer segments of investors are foraying into blockchain to maximize returns over their investment,

Companies introducing newer technologies are having competitive edge in the prevailing market conditions. Blockchain, the technology behind Bitcoin has moved past the next generation of internet. Yet, another major development in Crypto segment is soon to be launched new cryptocurrency LIBRA by Facebook. This will be a game changer in crypto world. Similarly, the next-gen AI system has very promising applications. Werner Vogels of Amazon has explored multi functionalities backed by AI and machine learning. In his opinion , ‘during past 50 years, AI and ML were fields that were only accessible to an exclusive circle of researchers and scientist. But this scenario is fast changing. Packages of AI and ML services and frameworks and tools are today available to all sorts of companies and organization. AI enables us to reduce tasks in our work where machine can do better than us. What we need is a pragmatic – optimistic view of emerging possibilities.

In this global eco-system, India offers a very promising play ground, provided our policy makers and legislators realize the need for dynamic eco-system and effective regulatory frame-work. The Inter-ministerial Committee headed by Former Finance Secretary Subash Chandra Garg has recently submitted its report for need to regulate crypto currencies. From initial negative stand. The Committee has now shown positive optimism.

We at ILTES, have been constantly working to create awareness and an eco-system for effective and safer application of newer technologies. Our global team of experts has been helping us to create a network of Tech-Law expertise environment.

In this special issue, a very significant interview of Bitcoin co- founder and CEO of Satoshi School, Jorg Molt has featured. Jorg Molt has convincingly explained about Bitcoin and its founder Satoshi Nakamoto. It is a must read for our readers.

It is our commitment and endeavor to integrate Law- Tech education and awareness in India. IN this mission several leading Institutions and Universities are supporting and encouraging us. Team ***ILTES is always Thankful to all Institutions and experts.***

Prof. Dr. M.K. Bhandari
Chief Editor & CEO - ILTES

Iltes Invite Law-Tech Enthusiasts To Participate In

NATIONAL LAW INSTITUTE UNIVERSITY, BHOPAL

In Association with

School of IT, RGPV, Bhopal Jagran Lakecity University, Bhopal and Infinity Law Tech and Education Services (ILTES), Hyderabad

Two Days National Conference

On

"Blockchain Technology: Adoption, Regulation & Security"

October 18th & 19th, 2019

For more details visit: www.iltes.in

INTERVIEW WITH JORG MOLT

CEO SATOSHI SCHOOL - VIENNA
CO-FOUNDER, BITCOIN

ILTES.. Hello Mr Jorg... You are co founder of Bitcoin. How do you see the future of Bitcoin and Cryptocurrencies in next 10 years.

Jorg Molt: From my perspective I do not see a great future for so called alternative Coins (Altcoins or cryptocurrencies different from Bitcoin). As you maybe know Bitcoin has an accumulated market cap from over 90% (70% if you just look for Bitcoin tradings)
A lot of other coins suffered in price because there is no utility of them. Even Bitcoin is in an “grey zone” in India, where there is no official exchange or regulations regarding Bitcoin you can see people buy and sell on the street. Today Bitcoin is not a phenomena anymore, its a society changing system. In the western world its more regarded as an asset rather a currency. But it solves many problems today, where the flat system failed. Think about Argentina, Br ail, Africa Venezuela and many more countries start suffering and the markets aching all over the world. Trade wars, corruption etc. leads people into poverty.
Bitcoin, if you understand how to use, is the best possibility we have fighting poverty today. Often governments argue its for tax saver and money laundering and yes, people arrested for that in former and present times. But this shows how similar Bitcoin is to our fiat system. And don’t forget its not the Bitcoin or the fiat who is the criminal. Its on us. Our personality which is driven to do something wrong. Like you have a knife in your hand or driving a car. You could murder with the knife and the car.
The fact, that you can maybe regulate how easy it is to get Bitcoins from Exchanges, doesn’t mean that you can control Bitcoin and that’s the biggest advantage against different cryptocurrencies. Bitcoin is unconfiscatable. Its not central issued like all other Altcoins. In 10 years I see blockchain technology and use cases on both systems. FinTec and Bitcoin, where Bitcoin is the balance to keep the ethic because people can choose which system they will follow. This leads into a situation that our system of rights will become more transparent and kills “Shady businesses”
Banks and Governments have to build trust, because people will store their assets and private datas either in a fintec system or if they are disappointed they can do the same in Bitcoin Network. I strongly believe both systems control each other and leads into a better situation less poverty and more transparency. But more over people will get back more trust in governments system, cause they have to be more transparency. AltCoins will only have a second market character maybe for some niche products or a government backed cryptocurrency.

ILTES : What are major challenges for ensuring safe and transparent use of Bitcoin.

Jorg Molt: Its safe and transparent already. The possibility people going blind with their transactions is the balance. It depends on regulations and transparency. From election over the possibility tracking the taxes you personally paid, and keep an eye on promises the government made. Accessibility without KYC is one point to stable Bitcoin. We all need rules but only a few understand the rules we have and a lot of rules not fitting to our time. In the moment where people understand the “why are these rules and how they secure freedom” and they have trust in their government, they do not use Bitcoin in the dark. The more you regulate, the more people go dark. The less you regulate and make people understand that rules securing the peace the more people accept rules and taxes and do not hide from them. We need balance. Our world is aching because it is out of balance as the dollar system and greediness all over India and the world shows. Bitcoin you can use safe but this means that we accept that we one in our lifetime till 2140 have the change to make a change by using Bitcoin fighting poverty and debts through his deflationary character. The more the government understand that more wealthy people through Bitcoin will spend more money and lead into more tax income the more government can trust their folks and as they give they will earn respect and trust. India can become the a world leading position. And then Bitcoin is transparent to everyone.

ILTES : Facebook has announced the launch of new cryptocurrency LIBRA Do you think this new currency will replace Bitcoin and will boost the crypto economy.

Jorg Molt: I don't think so. Libra is the first try to implement a government coin. Its a stable coin which is 1 on 1 equal with 1 Dollar.

The next thing is, that central banks have been replaced by the Libra Association. Facebook is the marketing division.

Maybe you heard that there are many regulators pointing finger on libra… the truth is….Libra is already regulated because Visa, Mastercard, Coinbase, Paypal, Ebay, Amazon etc are joint ventures and partners of Libra Association. They know everything about regulations, cause they work as banking partners and associates for years in the field of law.

Believing Libra Coin is a new cryptocurrency is wrong. Its Fiat in digital form. You can say Paypal on Blockchain. Centralized money system.

Another thing is the Libra Reserve. The offered token is the electronically equivalent to fractional reserve banking as you also know from central banks.

So Libra is FIAT. There is no advantage and the statements Libra can fight poverty…Fractional Banking creates debts. Bitcoin kills debts. So Libra won't replace Bitcoin, it will sooner or later replace Ripple and Ethereum.

Bitcoin will stay as the safe system if you got in trouble by officials systems like Libra. I forecast that something like Libra comes around (maybe Libra stays) and in a few years the co existence of Bitcoin and Libra will create more value, by combing both worlds in a consensus without cutting of privacy of the participates.

ILTES: The real identity of original Inventor of Bitcoin is a big mystery, still unresolved. Many persons time and again claim to be the real Satoshi Nakamoto.

Since you are among pioneer in mining and trading Bitcoin Mr Molt, do you think the real Satoshi Nakamoto will be identified and will appear. If so ,how the world will verify the claim of real inventor.

Jorg Molt: Satoshi Nakamoto will never appear. There is a good reason. You can't shut down Bitcoin even you are the founder. Your system keeps you out. But you know the key how you create a system which can't crack down by the inventor in that way. We talk about a file transfer system (Bitcoin is a file) which you can't access even this file is on you PC or laptop. Its impossible for you to change. And we see it for 10 years now. So it doesn't make sense to appear.

But if, however, he can proof it in two ways. Many people think he has to sign the first public block in 2009. This is not a proof. The key doing that was hashed a long time ago and everyone can do now. The hash was found by accident. Because this block has only a few transactions creating that logic. During the first 2 years Bitcoin becomes more stable and the hash logic grew continuously. Mathematic in Bitcoin was never linear and so difficulty in hash logic has been grown with the power and technology of 10 years. So you can't hash signatures from private keys that easy any more.

If he wants to proof he has to show out what happens before 2009. Bitcoin test transactions. The first ever created block for example because 2009 to 2012 is only 3 years before halving and not four years even if you think the problem was the block time - it doesn't make mathematical sense. A technical description of the max amount of 21 Million peaces and the reason for it. Satoshi Nakamoto will also be able to describe the limitations of the mathematical algorithm from Bitcoin and how he solved this by creating a numerous system leading with 6 unknown variables to a nonce output on a timeline from average minutes by changing his own algorithm through the logic of the 6 unknown variables. One of the hardest riddles in mathematic he solved. He do not has to give the solution but he can talk in a way that he gives ideas to it which can be proven.

Last but not least I will say that the story we know about Satoshi and the founders have to be rewritten because its different in the truth, like communities want to believe. So neither Garvin Andresen, nor Craig Steven Wright founded Bitcoin. They have been luckier wise for them in Bitcoins in the early times of 2009 and yes have knowledge about cryptography and coding. Thats one point you can't deny on both of them and they did great inventions after starting Bitcoin. But they haven't been in before. One hint for you: Hal Finley was a great cryptographer. And he was the recipient of the first PUBLIC Bitcoin Transaction. He didn't send it to himself. Satoshi did. In the first time there have been 78 people around. Satoshi decided to lock the algorithm against a lot of opinions making a free world. How many people do you know talking about this topic today ? And why are so many people from the first time dead today. There was for sure a movement to stop this.

News & Views

Regulatory sentiment toward cryptocurrencies around the world

cointelegraph.com

source: Cointelegrah Analytics

1. Blockchain can cut need for a high cost permanent workers.

The Blockchain Technology (A distributed digital public ledger has the ability to exchange digital assets without need of a third party) will facilitate hiring process by screening information such as educational qualification, career history and skill certification, without the need for any human intervention. Blockchain can be used for onboarding through digitally ascertaining the new hires' detail.

(For more details, see- Times of India, Wednesday August 28th, 2019/ Hyderabad. Times Ascent)

2. Crypto Banking Regulation Around the World, first signs of growth- Will Heasman.

Banking is often seen as antithesis of Bitcoin (BTC), the very industry, the nascent protocol looks to diffuse and disrupt. Ironically, many banks are desperately in need of the attributes and facilities afforded by Cryptocurrencies, especially blockchain, their underlying technology.

However, some significant hurdles remain for these emerging institutions. Regulatory uncertainties are rife within the world of cryptocurrency banking. Yet, there are some regulatory authorities whose forward thinking and desire to innovate is wholly evident. With Swiss Financial Market Supervisory Authority- FINMA being such institution.

(For more details. Visit cointelegraph.com)

3. Indian Government's New Report Views Crypto positively

A new Indian government report has put cryptocurrency in a positive light, viewing the mechanism surrounding it, including initial coin offerings, as revolutionizing the global Fintech Landscape. The report also discusses regulations of coins and tokens.

(for details visit :- www.iltes.in)

Prof. M. K Bhandari Addressing At National Law University - Delhi
On Blockchain & Education

Prof. N. K Chakarborty, Director KITT School Of Law
(as he then was) Bhuneshwar Felicitating Prof Bhandari

Prof. Bhandari With Students Of MCSIL At Rajiv Gandhi National Cyberlaw Center - NLIU Bhopal

Prof. M. K Bhandari Presenting ILTES News Letter to Prof. Upender Baxi,
Former VC Delhi University & Global Jurist

Prof. M.K Bhandari Presenting ILTES News Letter to Prof. Ranbir Singh,
VC National Law University - Delhi

CONFERENCE REPORT
OF

INTERNATIONAL CONFERENCE
ON
BLOCKCHAIN, CRYPTOCURRENCY
AND DIGITAL ASSETS:
REGULATORY FRAMEWORK

HELD ON

SEPTEMBER 29-30,2018

at

Oakwood Residence - Hyderabad - India

KEY FEATURES: -

A. Distinguished Speakers

The ILTES First Mega Event was organized on a high note with active participation of distinguished global experts in the domain of Blockchain Technology, Digital Assets and their Regulatory framework. More than 27 distinguished key speakers, notable among them were former Chief Justice of Srilanka, Justice Mohan Pieris, Senior Judge of Telangana, AP High Court Justice V Ramasubramanian, Senior Judge of Karnataka High Court (as he then was), Justice Dr. Vineet Kothari, Jorg Molt of Satoshi School -Vienna, Ulrich Eder from Thailand, Prof J.S Patil, Vice- Chancellor, NLU-Assam, Prof. P.S.Jaiswal, Vice- Chancellor, RGNUL-Patiyala, Prof. V. Vijay Kumar, Vice-Chancellor- NLIU Bhopal, Prof. Dr. Sandeep Sancheti, Vice-Chancellor, SRM University, Chennai, Prof. T.S.N. Sastry, Vice-Chancellor, Dr. Ambedkar Law Univ, Chennai, P.Pravimal Abhishek, IAS, Puducherry, Monu Pradhan, IBM-USA, Dr. Abha Agarwal, USA, Prof. Purvi Pokhariyal, Nirma University and Prof Shanta Kumar.

These speakers represented more than 8 countries and India.In addition to them ,16 delegates, selected from all over India were given opportunity to present their papers, which were followed by interactive discussions during 2 days.

B. Academic Support

This International Conference was backed and supported by major Educational Institutions of India, namely NLUJA- Guwahati, NLIU-Bhopal, NLU-Nagpur, TNDALU-Chennai, Osmania University- Hyderabad, NMIMS-Mumbai, Nirma University- Ahmedabad, GD Goenka University- Haryana, SPEHE- India and USA's leading professional body on Blockchain- GBA-USA.

C. Financial Support

Satoshi School- Vienna, Fortitude Law Associates- Mumbai and NMCCX- Mumbai, provided major financial support as Lead Sponsors. Aicumen Technologies- USA& India, Matrika Infra Projects- Rajasthan, Era Swap- Mumbai, K & S Partners, Hyderabad also provided support.

Team ILTES is very Thankful to all academic and financial supporters for their valuable support.

D. Media Coverage

The national, International and local press gave wider coverage to the proceedings of ILTES International Conference. Leading Newspapers such as Hindu, Indian Express, TOI, Pioneer, Sakshi, Enadu, Telangana Times and Electronic Media published and telecasted Conference proceedings.

E.Themes & Issues

Expert views on following themes and issues were presented in 2 Plenary Sessions, 4 Technical Sessions and 1 Panel discussions. All presentations in audio-visual were followed by discussions and observations by large number of delegates.

Major themes of the Conference were as follows: -

- **Blockchain Technology :-**
  - Understanding functional nuances and multiple application in Finance,Business,corporate functioning, Smart Contracts & entertainment, gaming, IPR & Governance
  - Advantages and disadvantages in existing regulatory ecosystem in global and national perspective.
  - Can India emerge as Blockchain Leader.
- **Cryptocurrencies :-**
  - Emergence of Cryptocurrencies, ICOs and their future.
  - The Bitcoin mania and beyond.
  - Mining, storing and transacting Cryptocurrencies - Present and future scenario.
  - Global response to Evolving Crypto economy
  - India at cross road
- **Digital Assets :-**
  - Understanding meaning, nature and scope of Digital Assets.
  - Digital Assets management
  - Digital Assets metadata
  - Issues and challenges in Digital Assets space.

F. Delegates and their Geographical Representation

Overall 200+ delegates participated in this International Conference. They represented almost all the segments ranging from- Judges, Lawyers, Academics, Technocrats, Industry, Trade, Management, Banking, Researchers, Policy Makers, Central & State Government bodies. The countries/ jurisdictions represented by all delegates, inter alia included: - USA, Brazil, Luxembourg, Germany, Austria, Singapore, Thailand, Hongkong and almost all the States of India.

G. Prizes and Awards

In view of the significance of newly emerging technology and its impact, the first ever National Essay Competition on Future of Blockchain a Digital Assets- International and National perspective, was organized along with the International Conference. Four Winners, namely Ms. Astha Tarwani- Symbiosis University, Pune, Aryan Babale- RGNLUL- Patiyala and Anoushka, NLU- Mumbai and Karan Vijay, NLU-Delhi, were given First, Second and consolation prizes respectively.

A Special Issue to mark the celebration of first International Conference by ILTES was released in the inaugural session by galaxy of guests.

H. Outcome

The International Conference was a great success and concluded on a high note. Few outcomes are as follows: -

1. The delegates expressed their total satisfaction and felt refreshed and rejuvenated in terms of knowledge and understanding of Blockchain Technology.
2. The Conference offered an opportunity to share, discuss and interact on new ideas, concepts and development in the domain of Blockchain Technology, Cryptocurrencies and their regulatory eco-system. It also helped in recalibrating the misunderstanding about limited use of Blockchain, nature and scope of Cryptocurrencies specially Bitcoin.
3. The conference provided excellent opportunities to sponsors, delegates and distinguished speakers to establish a strong network and promote their business & professional strategies.

Major Recommendations

Based on more than 50 presentations, discussions and interactive responses, following recommendations& suggestions are made, as under:-

1. The Cryptocurrencies, especially Bitcoin has many regulatory and financial issues, which needs to be addressed urgently. It is still not clear in different jurisdictions of the world weather virtual currency such as Bitcoin is a currency, digital asset, property or something mix of all. The clouds of uncertainty surrounding cryptocurrencies should be clarified with proper regulatory and legal framework.

2. The Blockchain Technology is not just confined to coining of Bitcoin. That is the first use known as Blockchain 1.0. But with the advancement of technology, the Blockchain 2.0 (Ethereum Blockchain- Smart Contracts) Blockchain 3.0, various applications in Education, Healthcare, IPR, Governance and Blockchain 4.0 (emerging) Finance, Insurance, Supply chain etc, needs to be promoted.

3. The Indian Policy makers should adopt proactive approach and develop necessary architecture and eco-system for use of Blockchain Technology in various areas of Trade, Industry, Banking, Finance, Healthcare and so on. The efforts made by Telangana state in this direction were appreciated during the event.

4. The controversy surrounding Crypto exchange & virtual currency should be cleared and Government of India should come out with proper and efficient laws in sync with global trends ,as early as possible**.**

5. It was also recommended that for optimum use of Blockchain Technology and its interoperability with Artificial Intelligence, Machine Learning, IOT, data protection, proper education, research and training modules should be launched. Efforts of ILTES in organizing this conference was applauded and appreciated by all in one voice.

6. It was also advised that until Government of India comes out with clear policy framework and regulatory mechanism, the investors should desist from investing or dealing in Cryptocurrencies, specially Bitcoin.

Finally, all the participants, delegates, speakers and invitees expressed their total satisfaction and felt rewarded as attendees of this Interenational Conference.

TESTIMONIALS

ILTES INTERNATIONAL CONFERENCE

1. A Wonderful Pioneering Conference that opens new avenues on finances.

Justice Mohan Pieris,
Former Chief Justice- Srilanka

2. This well-organized conference should be a kick starter for future Blockchain development.

Ulrich Eder,
Bangkok, Thailand

3. This is one of the most comprehensive and in depth Blockchain Conference, I have ever attended.

Tesering Namgyal
Correspondent mLEX, HK

4.It is a wonderful experience to participate in this conference and take it forward in NLUJA-Guwahati with the collaboration of ILTES- Great to work with them.

Prof. JS Patil
VC, NLUJA- Guwahati

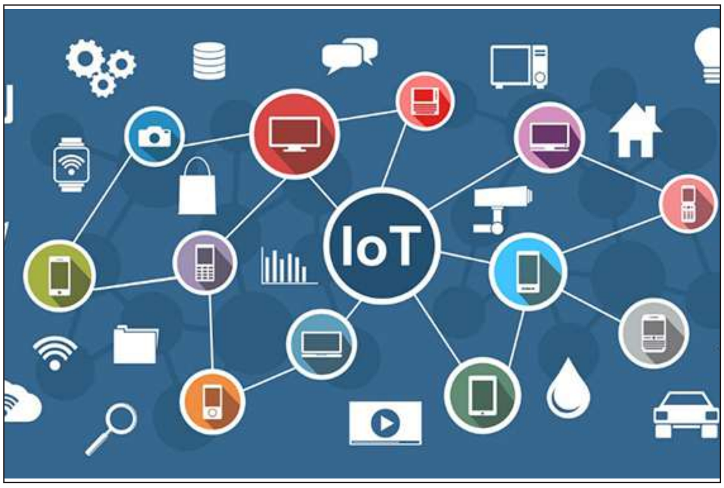
5.The first edition of this conference organized by ILTES has brought diverse disciplines together to understand the basic issues and ways to address them. I only hope that this initiative takes roots, strong enough to collectively address all the issues and allow the benefits to be shared by everyone and anywhere in the world.

Prof. Dr. V.Vijayakumar
VC, NLIU- Bhopal

6.Wow! Two things close to my heart- Law and Technology and this conference was a perfect mix of both. Well organized!!! Congrats Prof. Bhandari.

Adv. Varun Sethi
Blockchainlawyer.in,Delhi

CORE AREAS OF STUDY, RESEARCH TRAINING & CONSULTANCY



With Best Complements

The Institute of Legal Education and Research (TILER)
Jodhpur