3rd Symposium on Distributed Ledger Technology

Monday, 12 November 2018 (8.00am – 10.30pm)
Gold Coast, Australia

Program Schedule

8.00am: Registration and Coffee on arrival

8.30am: Opening Session

Welcome Address
Prof Jin-Song Dong, Director/ Institute for Integrated and Intelligent Systems

8.35am: Keynote Speech – 1

Dr Ingo Weber, Principal Research Scientist & Team Leader, Data61, CSIRO
Software Architecture, Engineering, and Business Process Management using Blockchain

9.15am: Technical Session 1
Chair: Dr Raj Gaire, Data61, Canberra

Simulation-Based Analysis of Blockchain Architectures
Diego Marmsoler and Leo Eichhorn (Technical University of Munich, Germany)

Landcoin: A Land Management System using Litecoin Blockchain Protocol
Vishwas Patil, Anasuya Acharya and Rk Shyamasundar (IIT Bombay, India)

Interoperability among blockchain based systems: a proposal
Babu Pillai, Kamanashis Biswas and Vallipuram Muthukkumarasamy (Griffith University, Australia)

10.00am: Morning tea

10.30am: Technical Session 2
Chair: Mr Tom McGuire, Credit Union Australia

Regulatory Changes Required to Redesign Securities Markets with DLT
Muthukkumarasamy Thuvarakan (The Australian National University, Australia)

Derivative Trading through Legal Smart Contracts
Julian Wise (RMIT University & Mining3, Australia), Stephanie Miles, David Brenecki, Meng Chak Chan, Jack Cornish (RMIT University, Australia), Isaac Dzakpata, Dihon Tadic, Ewan Sellers (Mining3, Australia) and Barti Murugesan (RMIT University, Australia)

A Blockchain System for Internet QoS Assurance
Fehan Arif, Russal Javed, Mian Hammad Mustafa and Ansel Thomas (Griffith University, Australia)

A Decentralized IoT Data Marketplace
Pooja Gupta, Salil S. Kanhere (UNSW, Australia) and Raja Jurdak (Data61, Australia)

Chair: Prof Marimuthu Palaniswamy, Melbourne University

Leveraging the Sovrin Network to Facilitate Trust for Anonymous Digital Identities
Paul Ashley (Anonyome Labs, Australia), Steven McCown and Jd Mumford (Anonyome Labs, USA)

A loyalty program based on Blockchain and Mobile Phone Interactions
Luis Antonio Ibarra González (CIMAT, Mexico), Luis J. Dominguez Perez (CONACyT-CIMAT, Mexico), Alejandro García Fernández, Agustín Rumayor Barraza (CIMAT, Mexico) and Carlos Alberto Lara Alvarez (CONACyT-CIMAT, Mexico)

TEduChain: A Platform for Crowdsourcing Tertiary Education Fund using Blockchain Technology
Mahmood Rashid (Griffith University, Australia), Krishneel Deo, Divnesh Prasad, Kunal Singh, Sarvesh Chand and Mansour Assaf (The University of the South Pacific, Fiji)

The Blockchain Application in Supply Chain Management: Opportunities, Challenges and Outlook
Mark H. Meng (A*Star, Singapore) and Yaou Qian (Monash University, Australia)

Challenges of Integrating Blockchain in Wireless Body Area Network
Khalid Hasan, Kamanashis Biswas (Griffith University, Australia), Khandakar Ahmed (Victoria University, Australia) and Saiful Islam (Griffith University, Australia)

12.30pm: Lunch

Chair: A/Prof Salil Kanhere, UNSW

Prof. Burkhard Stiller, Department of Informatics, University of Zurich
Blockchains and Their Applications – A Critical Review

Chair: Dr Surya Nepal, Data61, Sydney

Blockchain based Database Management System for IoT Applications Connected with the Cloud
Tharumakulasinkam Mukunthan, Samantha Jeyakumar (University of Jaffna, Sri Lanka) and Vallipuram Muthukkumarasamy (Griffith University, Australia)

Future of Blockchain - An Ethereum Perspective
Peter Robinson (PegaSys / ConsenSys, Australia)

Chair: Dr Wee Lum Tan, Griffith University

Formal Specification and Verification of Hyperledger Fabric Chaincode
Bernhard Beckert, Mihai Herda , Michael Kirsten and Jonas Schiffl (Karlsruhe Institute of Technology, Germany)

Blockchain-based Federation of Network Providers for Collaborative DDoS Mitigation
Kostas Giotis (PCCW Global, Greece), Adam Pavlidis (National Technical University of Athens, Greece), Loukas Anagnostou (PCCW Global, Greece), Marinos Dimolianis (National Technical University of Athens, Greece), Theocharis Tsigkritis (PCCW Global, Greece), Dimitrios Kalogeras, Nikos Kostopoulos (National Technical University of Athens, Greece), Ilias Kotinas (PCCW Global, Greece) and Vasilis Maglaris (National Technical University of Athens, Greece)

3.00pm: Afternoon tea

3.30pm: Technical Session 4
Chair: Dr Guangdong Bai, Griffith University

Immutable Autobiography of Smart Cars
Md Sadek Ferdous (Shahajalal University of Science and Technology, Bangladesh), Mohammad Jabed Morshed Chowdhury (Swinburne University of Technology, Australia), Kamanashis Biswas (Griffith University, Australia) and Niaz Chowdhury (The Open University, UK)

Towards digitalisation of healthcare policies: case for smart legal contracts?
Zoran Milosevic (Deontik, Australia)

Reconstruct Contemporary e-Health Ecosystem Using Blockchain And AI
Shilin Lu (Blockchain Develop Foundation, Australia)

4.15pm: Panel Discussion
Chair: Dr Paul Ashley, Anonyome Labs

Challenges and Opportunities for DLT Application and Future Directions
A/ Prof Salil Kanhere (UNSW), Mr Tom McGuire (Credit Union Australia), Prof Marimuthu Palaniswamy (Melbourne Uni), Mr Peter Robinson (ConsenSys), Prof RK Shyamasundar (IIT Bombay)

5.00pm: Break Time (Beach walk)

6.30pm: Networking (Evening Drinks) @ Level 12, Ocean View Room, 'The Island'
Dinner Welcome by Prof Andrew Smith, Pro-Vice Chancellor, Griffith Sciences

7.15pm: Dinner Speech

Prof. Rudrapatna Shyamasundar, Department of Computer Science and Engineering, IIT Bombay
Whither Correctness of Smart Contracts

7.45pm Dinner

10.30pm Close

Organised & Sponsored by:

Workshop on Towards digital transformation through blockchain: Australia-India perspective

Tuesday, 13 November 2018 (9.00am – 4.00pm)
Novotel Hotel, Gold Coast

9.00am Welcome Address
Developing Collaborative Projects Between Australia and India

9.30am Progress on Digital Transformation Around the World

10.30am Morning tea

11.00am Group Activities: Formulation of Proposals for Collaboration

12.30pm Lunch

1.30pm Opportunities for Indo-Australian Industry/ Academic Collaboration
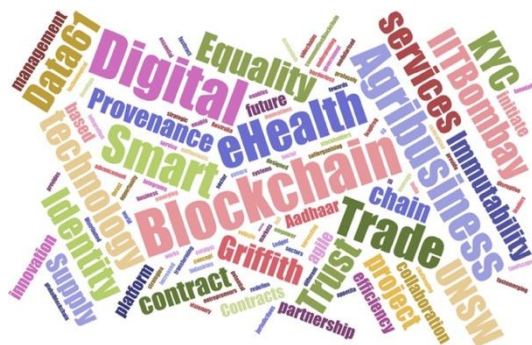*Group presentation and discussion*

2.30pm Recommendations and Action Items

3.00pm Afternoon tea

(Only for AIC Grant CIs)
3.30pm Planning: Future Workshops and Symposiums in India and Australia

4.00pm Close