

4th Symposium on Distributed Ledger Technology

Tuesday, 10 December 2019 (8.00am – 5.30pm)

N79_1.05, Nathan Campus, Griffith University

Program Schedule

8.00am: Registration and Coffee on arrival

8.30am: Welcome Address

Prof Carolyn Evans, Vice Chancellor and President, Griffith University

8.35am: Opening Remarks

Prof Andrew Smith, Pro-Vice Chancellor, Griffith Sciences

8.40am: Keynote Speech - 1

Chair: Prof Paulo de Souza, Head of School, ICT, Griffith University

Prof Jason Potts, Director, RMIT Blockchain Innovation Hub, RMIT University

Economic Identity in a Digital Economy

9.20am: Technical Session - 1

Chair: Prof Raja Jurdak (Queensland University of Technology)

Multi-Factor Authentication using an Enterprise Ethereum Blockchain

David Hyland-Wood (University of Queensland, ConsenSys/ PegaSys)

EnergyPie: A Hyperedge-based Blockchain Market Model

Karumba Samuel (UNSW), Salil S. Kanhere (UNSW) and Raja Jurdak (QUT)

10.00am: Morning tea

10.30am: Technical Session - 2

Chair: Davin Holmes (Anonym Labs)

Application Level Authentication for Ethereum Private Blockchain Atomic Crosschain Transactions

Peter Robinson (University of Queensland/ ConsenSys/ PegaSys)

Towards Declarative Smart Contracts

Kevin Purnell (Macquarie University) and Rolf Schwitter (Macquarie University)

Towards model-driven expressions of the blockchain ethical design framework

Zoran Milosevic (Deontik)

11.45am: Lightning Talk Session

Chair: Don Sands (Synengco Pty Ltd)

Open End-to-End Encrypted Messaging

Steven McCown (Anonymo Labs), Paul Ashley (Anonymo Labs) and Jon St. John (Anonymo Labs)

Cellular Automata-based Puzzles for ASIC-resistant Proof of Work

Rade Vuckovac (Griffith University)

A nonparametric method for measuring cybersecurity risk

Patrick O'callaghan (University of Queensland)

12.20pm: Photo Session

12.30pm: Lunch

1.45pm: Keynote Speech - 2

Chair: Dr Kamanashis Biswas (Australian Catholic University)

Katrina Donaghy, CEO and Co-Founder, Civic Ledger

How to build a government ecosystem using blockchain technology

2.20pm: Technical Session - 3

Chair: Lawrence Lim (PCCW Global)

Unlocking additional value through smart market trading in water quality and treated wastewater using Blockchain technology

Anik Bhaduri (Griffith), Vallipuram Muthukkumarasamy (Griffith), James C.R. Smart (Griffith), Joe McMohan (Griffith), Kamanashis Biswas Biswas (ACU), Aditya Kaushik (IISc) and Rob Braunack (Civic Ledger)

Blockchain for the Red Meat industry: Where and How?

David Barnes (Griffith University), Yong Wu (Griffith University), Peter Tahtam (Griffith University) and Vallipuram Muthukkumarasamy (Griffith University)

3.00pm: Afternoon tea

3.30pm: Technical Session - 4

Chair: Dr Zhe Hou (Griffith University)

Digital Twins and Distributed Ledger Technology: What can they learn from each other?

Valeri Natanelov (Queensland University of Technology), Gerd Wagner (Brandenburg University of Technology) and Marcus Foth (Queensland University of Technology)

Behavioural analysis of cryptocurrencies investors

Hai Yen Tran, Tracey West and Victor Wong

4.10pm: Panel Discussion

Chair: Dr Raghavendra Ramesh (Consensys/ PegaSys)

Challenges and Opportunities for DLT Application and Future Directions

Guangdong Bai (University of Queensland), Katrina Donaghy (Civic Ledger), Ali Dorri (Queensland University of Technology), Richard McKeown (Integrated Capital), Jason Potts (RMIT)

5.00 – 5.30pm: Close of Symposium & Networking