

Workshop on Blockchain Applications and Fintel – 2022

Program Schedule

Day 1: Monday, 30 May 2022

Registration & Arrival Tea 8:00-8:45am

1. Welcome Address (8:45 – 8:50am)

Prof Alan Liew, Deputy HoS (Research), Griffith University

2. Workshop Overview (8:50 – 9:00am)

A/Prof V. Muthukkumarasamy, Griffith University

3. Keynote (9:00 – 9:40am)

Session Chair: Prof Marimuthu Palaniswami, University of Melbourne

Topic: Progress and Pitfalls on the Path to Decentralized Identity

Speaker: Dr Paul Ashley, CTO/CO-CEO, Anonymo Labs Inc.

4. Invited Talk (9:40 – 10:30am)

Session Chair: Prof R. K. Shyamasundar, INAE Distinguished Professor, IIT-Bombay

Topic 1: The role of regulations in preventing fraud crimes in Decentralised Autonomous Organisations

Speaker: Dr Alex Konashevych, Executive Director, Australian Institute for Digital Transformation

Topic 2: Harmonised regulatory frameworks for regulation digital and virtual assets

Speaker: Ms Loretta Joseph, Consultant, McDonell-Nadeau

5. Tea Break (10:30 – 11:00am)

6. Industry Presentation (11:00 – 12:30pm)

Session Chair: Mr Dylan Webb, CEO, Datamine

Topic 1: Unsecured decentralised finance microloans - threat or opportunity for government oversight and financial crimes investigations

Speaker: Mr Mathew Sayed, Co-founder & GM, Little Phil

Topic 2: Water Accounting in a Multi-Token Economy

Speaker: Ms Katrina Donaghy, CEO, Civic Ledger

Topic 3: Cross-chain value transfer and obfuscation for criminal activity

Speaker: Mr Peter Robinson, Technical Director, Consensus

Topic 4: Crypto: A tool for criminal activities

Speaker: Mr Lucas Cullen, Blockchain Developer & Mentor, RMIT

7. Lunch Break (12:30 – 1:30pm)

8. Panel Discussion (1:30 – 3:00pm)

Topic: Open Problems in Financial Intelligence, Provenance and Cybercrime Attribution

Chair: Prof Ryan Ko, The University of Queensland

Expert Panel Members:

Prof David Lacey, IDCARE

Dr Ken Radke, Brisbane Joint Cyber Security Centre

Dr Hai Luong, Criminology, UQ Cyber

A/Prof V Muthukkumarasamy, Griffith University

Prof John Flood, Griffith University

Prof Marimuthu Palaniswami, University of Melbourne

9. Tea Break (3.00 – 3.30pm)

10. Invited Talk (3:30 – 4:20pm)

Session Chair: Dr Vishwas Patil, Senior Research Scientist, IIT-Bombay

Topic 1: Anomalies in Blockchain Systems

Speaker: Dr Javed Morshed Chowdhury, Lecturer, La Trobe University

Topic 2: A Decentralised Stock Media Platform using NFTs and Blockchain

Speaker: A/Prof Vidy Potdar, Faculty of Business & Law, Curtin University

11. Keynote* (4:20 – 5:00pm)

Session Chair: Dr Shipin Chen, Senior Principal Research Scientist, CSIRO

Topic: How smart contracts trigger swift action

Speaker: Ms Leanne Kemp, CEO, Everledger

12. Close (5:00pm)

* Virtual presentation

Workshop on Blockchain Applications and Fintel – 2022

Program Schedule

Day 2: Tuesday, 31 May 2022

Registration & Arrival Tea 8:15-8:45 am

1. Keynote (8:45 – 9:30am)

Session Chair: Prof David Thiel, Griffith University

Topic: Automatic Prevention of Semantic Vulnerabilities in Smart Contracts

Speaker: Prof R. K. Shyamasundar, INAE Distinguished Professor, IIT-Bombay

2. Invited Talk (9:30 – 10:30am)

Session Chair: Dr Zhe Hou, Lecturer, Griffith University

Topic: Blockchain in Action – Data61 Blockchain R&D Capabilities and Activities

Speaker: Dr Shipin Chen, Senior Principal Research Scientist, CSIRO

Topic: Digital procurement in construction: the blockchain imperative

Speaker: Prof Srinath Perera, School of Eng, Design & Built Enviro., University of Western Sydney

3. Tea Break (10:30 – 11:00am)

4. Research Talk (11:00 – 12.30pm)

Session Chair: Dr Raj Gaire, Associate Director, KPMG Australia

Topic: Blockchain for Cyberphysical Systems

Speaker: Prof Salil Kanhere, Computer Science & Engineering, UNSW

Topic: Improving privacy in blockchain solutions

Speaker: Dr Rafael Dowsley, Lecturer, Monash University

Topic: Blockchain Network Simulator

Speaker: Dr Naipeng Dong, Lecturer, UQ

Topic: A Reliable Vaccine Tracking & Monitoring System for Health Clinics Using Blockchain

Speaker: Dr Kamanashis Biswas, Lecturer, ACU

Topic: Blockchain research collaborations and the road ahead

Speaker: Dr Vishwas Patil, Senior Research Scientist, IIT-Bombay

5. Lunch break (12:30 – 1:30pm)

6. Lightning Talk (1.30 – 2:10pm)

Session Chair: Dr Shantanu Pal, Research Fellow, QUT

Topic: How Smart Trade Networks Enables ERC721 Backed ERC20 deployments using ERC998 Grouping

Presenter: Mr Thomas Miller, PhD Candidate, QUT

Topic: A robust integration of Artificial Intelligence and Blockchain for automated credit decision

Presenter: Ms Zorka Jovanovic, PhD Candidate, Griffith University

Topic: Cross-blockchain technology: A snap short

Presenter: Mr Babu Pillai, PhD Candidate, Griffith University

Graph modelling and analysis of blockchain transactions

Presenter: Ms Samantha Jeyakumar, PhD Candidate, Griffith University

A Bricolage of Hype, Rules, and Meat.

Presenter: Mr Lachlan Robb, PhD Candidate, QUT

7. Invited Talk (2:10 – 3:00pm)

Session Chair: Prof Tapan Sarker, University of Southern Queensland

Topic: Smart Legal Contracts: Oracles from a Legal Perspective

Speaker: Dr Adrian McCullagh, ODMOB Lawyers, ODMOB Pty Ltd

Topic: A practical use case for user certificates using DLTs

Speaker: Mr Joji Varghese, CEO, Print2block

8. Tea break (3:00 – 3:30pm)

9. Invited Talk (3:30 – 4:10pm)

Session Chair: Mr Chris Mohr, Senior Manager, AUSTRAC

Topic 1: Crime as a problem of information asymmetry: how common knowledge architectures pull the rug on criminals

Speaker: Mr Warwick Powell, Professor (Adj.), QUT

Topic 2: Blockchain and cybersecurity*

Speaker: Mr Vinod Panicker, Global Head, Open Source & Blockchain Security, Wipro

10. Round Table Discussion (4:10 – 5:00pm)

Topic: Opportunities for Collaboration for Industrial Applications of Blockchain

Chair: Prof Salil Kanhere, UNSW

Expert Panel Members:

Mr Vinod Panicker, Global Head, Open Source & Blockchain Security, Wipro

Ms Katrina Donaghy, CEO, Civic Ledger

Prof Srinath Perera, School of Eng., Design & Built Enviro., University of Western Sydney

Mr Srinivas Boyapati, Managing Director, Natsoft Consulting Australia

Mr Warwick Powel, Professor (Adj.), QUT

Mr Paul Gampe, CTO, PCCW Global

Dr Raj Gaire, Associate Director, KPMG Australia

11. Vote of Thanks (5:00pm)

Prof Andrew Smith, Pro-Vice Chancellor, Griffith University

* Virtual presentation