



7th Symposium on Distributed Ledger Technology (Day 1)

30 November, 2023 (Thursday)

8:00	Registration
8:50	WELCOME ADDRESS <i>Associate Professor Mark Utting, University of Queensland</i>
9:00	KEYNOTE SPEECH (Chair: A.Prof. Mark Utting) Redbelly - Australian Sovereignty in Blockchain <i>Associate Professor Vincent Gramoli, University of Sydney and Redbelly Network</i>
10:00	Morning Tea Break
10:30	INVITED SPEAKER (Chair: Prof V Muthukkumarasamy) Slope of Enlightenment for DLT-based DID-Methods <i>Dr Paul Ashley, Anonymome Labs</i>
11:00	SESSION – 1 (Chair: Dr David Hyland-Wood) One-Phase Batch Update on Sparse Merkle Trees for Rollups <i>Boqian Ma, Vir Nath Pathak, Lanping Liu, and Sushmita Ruj</i>
11:20	On the Relevance of Blockchain Evaluations on Bare Metal <i>Andrei Lebedev and Vincent Gramoli</i>
11:40	EVM-Vale: Formal Verification of EVM Bytecode using Vale <i>Daniel Cumming, Mark Utting, Franck Cassez, Naipeng Dong, Sadra Bayat Tork, and Marten Risius</i>
12:00	Lunch Break
13:00	SESSION – 2 (Chair: Dr Peter Robinson) Detecting Malicious Blockchain Transactions Using Graph Neural Networks <i>Jeyakumar Samantha Tharani, Eugene Yugarajah Andrew, Zhe Hou, and Vallipuram Muthukkumarasamy</i>
13:20	Data Sharing using Verifiable Credentials in the Agriculture Sector <i>Paul Ashley</i>
13:40	Linking NFT Transaction Events to Identify Privacy Risks <i>Dorottya Zelenyanszki, Zhe Hou, Kamanashis Biswas, and Vallipuram Muthukkumarasamy</i>
14:00	Panel Discussion - Is it possible to attribute crypto payments to crime? (Moderator: Prof V Muthukkumarasamy, Griffith University) <i>Prof Ryan Ko, Dr Shirley Hu, Dr. Adrian McCullagh, Dr Babu Pillai, Ms Samantha Jeyakumar, Mr Omar Jarkas</i>
15:00	Afternoon Tea Break
15:30	SESSION – 3 (Chair: Dr Raghavendra Ramesh) The Benefits of Non-Fungible Token (NFT) Technology in Music Copyright <i>Jie Dong, Naipeng Dong, and Guangdong Bai</i>
15:50	Patterns for Success and Failure in Crosschain Bridge Design <i>David Hyland-Wood</i>
16:00	Panel Discussion - Future of Talent in Blockchain (Moderator: Eric Tinghan Wang, President, UQ Blockchain Club) <i>Karen Cohen, Jo Rocca, Viola Hui, Michael Cotton</i>
17:00	Networking

7th Symposium on Distributed Ledger Technology (Day 2)

1 December, 2023 (Friday)

KEYNOTE SPEECH (Chair: Dr Guangdong Bai)

9:00 **Blockchain Interoperability – Concepts, Technologies & Standardization**
Prof. Shiping Chen CSIRO Data61, Australia

10:00 **Morning Tea Break**

INVITED SPEAKER (Chair: Dr Zhe Hou)

10:30 **Blockchain Layer-2 Scaling Solutions**
Sushmita Ruj

SESSION – 1 (Chair: Katrina Donaghy)

11:00 **Announcement**

11:15 **Consensus Protocols that are appropriate for Decentralized Sequencer / zk Provers in zk Rollups**
Peter Robinson

11:30 **Binance Careers in Crypto & Web**
Liam O'Doherty - Marketing, Binance Australia

12:00 **Lunch Break**

INVITED SPEAKER (Chair: Simon Callaghan)

13:00 **Decoding Crypto Networks: Gas Dynamics, Economic Significance, and Ethereum's Evolution into a Settlement Layer**
Darren Rogan

SESSION – 2 (Chair: Dr Tony Lenko)

13:30 **Distributed ORacle Agreement Protocol (DORA) powering Supra Oracles**
Raghavendra Ramesh

13:45 **Kontrol: Fuse Formal Methods and Property Testing for Ethereum Smart Contract Auditing**
Daniel Cumming

14:00 **Web 2.0 meets Web 3.0 solution**
Katrina Donaghy

14:15 **Understanding Real-time Payment Dynamics in Australia**
Babu Pillai

SESSION – 3 Poster Presentations ((Chair: Samantha)

14:30 **Poster 1 - Application of Blockchain Technology for IoT sensor data security in the Healthcare sector**
Awarjana Perera

Poster 2 - Identifying Phishing in Ethereum Transactions
Sreenath Thekkedan and Annu Mary George

Poster 3 - Scalable and Secure Electronic Voting System Using Blockchain Technology
Aishwary Kailas Madiwale

Poster 4 - Advancing Aviation Training Record Integrity with BATRS
Tinghan Wang

15:00 **Afternoon Tea Break**

SESSION – 4 (Chair: Dr Kamanashis Biswas)

15:30 **The Future of Digital Governance in EU – Blockchain Service Infrastructure for Higher Education & Digital Product Passport**
Tony Lenko

15:45 **ACCORD - The new way to startup**
Nathan Challen

16:00 **Current Strategic Initiatives within the Australian Blockchain Industry**
Simon Callaghan

16:15 **Ambient Intelligence, Privacy Concerns regarding Data Protection: Technology Acceptance, Expectations and Challenges for Protecting Health Statistics in New Era**
Bhupinder Singh. Ambient Intelligence

16:30 **Central Bank Digital Currency Models A short review**
Hei Yip and Babu Pillai

16:45 **Embrace Open Protocol NOSTR for the Next Generation of Application Development**
Prof. Elizabeth Chang, Griffith University

17:00 **Close of Symposium & Networking**