

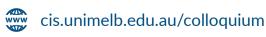
#CISDC17

School of Computing and Information Systems 5th Annual Doctoral Colloquium 19 July 2017

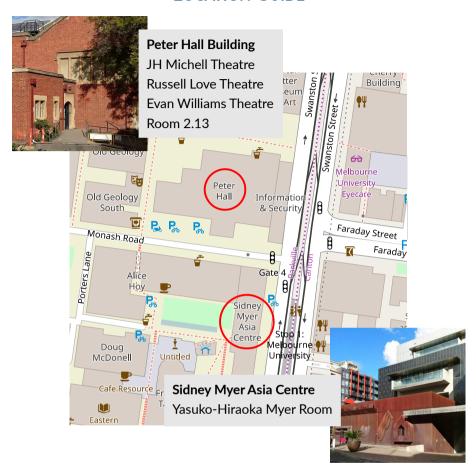
Programme







LOCATION GUIDE



KEYNOTE ADDRESS

Customer is not a dirty word (and why you need them to do research that makes a difference)

Dr Sarah Dods

General Manager for eHealth Solutions with Telstra Health



SCHEDULE

08:30-09:00	Registration Foyer – JH Michell Theatre Peter Hall Building		
09:00-10:00	Welcome and Keynote Address JH Michell Theatre Peter Hall Building		
10:00-10:25	Google Morning Tea Break Yasuko-Hiraoka Myer Room Sidney Myer Asia Centre		
10:30-12:25	Paper Session 1A Data & Knowledge Evan Williams Theatre Peter Hall Building	Paper Session 1B People & Organisations Russell Love Theatre Peter Hall Building	Paper Session 1C Platforms & Systems Room 2.13 Peter Hall Building
12:30-13:30	Lunch Break (not provided)		
13:30-14:45	Paper Session 2A Data & Knowledge Evan Williams Theatre Peter Hall Building	Paper Session 2B Data & Knowledge Russell Love Theatre Peter Hall Building	Paper Session 2C Platforms & Systems/ People & Organisations Room 2.13 Peter Hall Building
14:45-15:10	Melbourne School of Engineering Afternoon Tea Break Yasuko-Hiraoka Myer Room Sidney Myer Asia Centre		
15:15-16:10	Three-Minute Talk Session JH Michell Theatre Peter Hall Building		
16:15-17:10	Poster Session and Evening Refreshments Yasuko-Hiraoka Myer Room Sidney Myer Asia Centre		
17:15-18:00	Award Presentations and Closing Yasuko-Hiraoka Myer Room Sidney Myer Asia Centre		

SESSION DETAILS

Paper Session 1A: Data and Knowledge

- 1. Fei Liu, Trevor Cohn, Timothy Baldwin
 Memory-Enhanced Conditional Random Fields for Thread Discourse Structure Prediction
- 2. Yitong Li, Trevor Cohn, Timothy Baldwin Multi-task Adversarial Representation Learning for Text Classification
- 3. Nitika Mathur Sequencing effects in Natural Language Processing annotations
- 4. Aili Shen, Jianzhong Qi, Rui Zhang Quality Assessment of Wikipedia Articles
- Neil Marchant, Benjamin Rubinstein
 OASIS: An efficient evaluation method for entity resolution
- Milad Chenaghlou, Masud Moshtaghi, Christopher Leckie, Mahsa Salehi Data Stream Clustering in Non-Stationary Environments

Paper Session 1B: People and Organisations

1. Dana Mckay

What I talk about when I talk about (library shelf) browsing

- 2. Melissa J. Rogerson Boardgames Rule(s)
- 3. Hasan Shahid Ferdous

Forget the Salt, Pass the iPad: Technology at Mealtimes

- 4. Luthfi Ramadani, Sherah Kurnia, Christoph Breidbach An Interdisciplinary Perspective of Nation-Wide Health Information Systems Implementation in Developing Countries
- 5. Jongkil Jeong, Sherah Kurnia, Daniel Samson and Sara Cullen
 The psychological contract and its impact on relationship quality in ICT outsourcing

Paper Session 1C: Platforms and Systems

- Eman Alatawi, Tim Miller, Harald Sondergaard
 Combining Metamorphic Testing and Dynamic Symbolic Execution for effective test inputs
 generation
- Li Li, Sarah Erfani, Christopher Leckie
 A Novel Contrast Pattern Mining Methods for Analyzing Retail Datasets
- 3. Ronal Singh

Communication Decisions with Shared Mental Models

- 4. Muhammad Hafizhuddin Hilman, Maria Alejandra Rodriguez, Rajkumar Buyya Budget-constrained Resource Provisioning and Scheduling Algorithms for Scientific Workflow in Cloud Environments
- 5. Farzad Khodadadi

Power-Efficient Resource Provisioning in Hybrid Datacentres Using Micro Servers

6. Muhammed Tawfiqul Islam, Shanika Karunasekera, Rajkumar Buyya
Deadline-Aware Cost-Optimized Cloud Resource Estimation for Big Data Applications

Paper Session 2A: Data and Knowledge

- 1. Qingyu Chen, Justin Zobel, Karin Verspoor
 Biocuration experts on the impact of duplication and other data quality issues in biological databases
- 2. Xin Li, Kathleen Gray, Karin Verspoor
 Using Learning Analytics to Understand Health Professionals' Informal Learning in Online Social
 Networks
- 3. Yixin Xu, Jianzhong Qi, Renata Borovica-Garjic, Yu Sun, Rui Zhang
- 4. Jiayuan He, Jianzhong Qi, Rui Zhang Efficient Indexing and Querying of Periodic Data

Paper Session 2B: Data and Knowledge

- Stephan Gloeckner, Salla Eliisa Toikkanen, Richard Sinnott
 The Trade-Offs in Data Trustworthiness and Data Completeness in Clinical Research Registries
- 2. Yang Lu, Richard Sinnott, Karin Verspoor, Udaya Parampalli Effective Preservation of Privacy During Record Linkage

Reverse Nearest Neighbour Heatmap in Spatial networks

- 3. Mahtab Mirmomeni, Lars Kulik, James Bailey
 Activity recognition of post-surgery patients through data analytics on time-series data from
 wearable sensors
- 4. Sehrish Kanwal, Andrew Lonie, Richard Sinnott Reproducibility of Computational Genomic Workflows

Paper Session 2C: People and Organisations/Platforms and Systems

- Sarah Webber, Wally Smith, Marcus Carter, Frank Vetere Zoo Visitors Kinecting with Orangutans
- 2. Deepti Aggarwal
- SoPhy: A Wearable Technology for Effective Video Consultations of Physiotherapy
- 3. Aleck Macnally, Nir Lipovetzky, Adrian Pearce, Miquel Ramirez Planning for Transparency
- 4. Sadegh Motallebi, Ramamohanarao Kotagiri, Egemen Tanin Towards a Unified System for Navigation Advice and Traffic Management

Three-Minute Talk Session

An exploration of mobile phone functionality, feedback and associated factors that influence

- 1. Peter Eze Spread Spectrum Medical Image Watermarking in the Spatial Domain
- 2. Oleksii Vedernikov
 - Stochastic route planning for hitchhiking
- 3. Yiging Zhang Understanding publications in researchers' homepages
- 4. Niels van Berkel
 - Longitudinal Human and Digital Sensing Using Mobile Technology
- 5. Romina Carrasco Empowering my avatar to be myself
- 6. Patrick Vicky
- Authentication through Message Hiding in Frequency Domain
- 7. Timoci O'Connor
- outcomes of public health interventions 8. Diego De Uña
 - Minimizing Landscape Resistance for Habitat Conservation
- 9. Yousef Kowsar
 - Detecting Interval of Recurrence in Time Series
- Thermography as a Novel Modality for Contactless Patient Monitoring
- 11. Mohammad Oloomi, Thomas Conway, Justin Zobel
- A More Accurate DNA Sequencing with Multimapping Resolution
- 12. Humza Naseer
- Security Analytics

10. Peter Chan

13. Gerardo Luis Dimaguila Influence of Person-Generated Health Data on Patient Attitudes or Behaviours: A Kinect-type

Perceptions

- Neuro-rehabilitation Programme
- 14. Adel Foda Grounded Knowledge for Language Understanding
- 15. Anitva Niihara Group dynamics in an Information Security Risk Management context: a study of Risk
- 16. Fraser Allison How Do We Talk to Virtual Characters?

Poster Session

Privacy and the Internet of Things (IoT) monitoring solutions for older adults: A systematic

- 1. Craig Horne, Sean B. Maynard, Atif Ahmad A Poster on Information Security Strategy Model
- 2. Mohammadhossein Sherkat. Tim Miller, Antonette Mendoza, Rachel Burrows

- Emotional Requirements in People-Oriented Software Engineering

- 3. Ziying Yang Pairwise Preference Relevance Judgments from Crowdsourcing
- 4. Sadia Nawaz, James Bailey, Gregor Kennedy
- Sensor-free confusion detection in digital learning environments 5. Chenxu Zhao, Rui Zhang, Jianzhong Qi
 - Web Document Clustering Based on Structure and Style Similarity
- 6. Sami Alkhatib
- review 7. Zhanna Sarsenbaveva
- Situational Impairments to Mobile Interaction
- 8. Namrata Srivastava, James Bailey, Sarah Erfani
 - Exploring Eye-Tracking technology in predicting subjective states of students in a digital learning
 - environment
- 9. Unni Krishnan, Alistair Moffat, Justin Zobel What is "Query Auto Compl"?
 - Design Considerations for a Virtual Community of Practice for Health Practitioners: A Learner Centred Design Approach
- 11. Joshua Newn
- Investigating Intent Recognition Through Gaze Awareness in User Interfaces
- 12. Atlarelang Basetsana Kesiilwe
- Evaluating the impact of IT in an Emergency Department through a time based comparison of IT based clinical activities vs non-IT based clinical activities

13. Ge Yao, Udaya Parampalli

10. Abdulaziz Murad

- Transformation from the Fibonacci NLFSR to the Galois NLFSR with Minimal Delay
- 14. Stephanie James
- Improving Information Security Governance in Organisations
- 15. Doris Hoogeveen, Karin Verspoor, Timothy Baldwin
- Detecting False Duplicate Questions in Community Question-Answering Archives 16. Martin Reinoso
- Designing Challenges in Animated 3D Whiteboard using Augmented Reality
- 17. Oscar Correa, Ramamohanarao Kotagiri, Lars Kulik and Egemen Tanin Ride-Sharing beats Ride-Sourcing through Hot-Spots

Top Sponsors

















Sponsors



