CS/con/2015

13th New Zealand Computer Science Research Student Conference

Start Time	Thu 9 Apr 2015	Fri 10 Apr 2015	
8:30		Registration/coffee & tea	Industry information and display by various groups throughout the day
9:00		Opening welcome by Prof Ian Witten	
9:30		Full paper presentations: *Misc topics*	
10:00		Morning tea	
10:30		Full paper presentations (see next page):	
11:00		*NLP & Machine Learning*	
11:30		Plenary talk by Dr Paul Ralph	
12:00	Registration	Start of lunch	
12:30		Lunch & poster sessions	
13:00			
13:30		Full paper presentations (see next page):	
14:00	Intro activities	*Networks/Security*	
14:30	Full paper presentations (see next page):		
15:00	*Databases/algorithms*	Afternoon tea	
15:30	*Misc topic*		
16:00		Workshop/panel discussions	
16:30	Tour of Computer Science Department & eScience Centre		
17:00		Closing talk by Prof Tim Bell	
17:30		Awards/prizes & dinner	
18:00			
18:30	Welcoming drinks & nibbles Level 4 common room Building 303S		
19:00			
19:30			
20:00			

Venue: Owen G Glenn Building, University of Auckland, 12 Grafton Road, Auckland

Web site: http://nzcsrsc.nz

Plenary speaker:

Dr. Paul Ralph, is a lecturer in Computer Science at the University of Auckland. His research centres on the theoretical and empirical study of software and game development including projects, processes, practices, tools and developer cognition, socialization, productivity, well-being and effectiveness. Before joining Auckland, Paul completed a PhD at the University of British Columbia and lectured at Lancaster University. In 2013, Paul became publicity officer for the SEMAT General Theory of Software Engineering Initiative and in 2014 he co-founded the AIS Special Interest Group for Game Design and Research.

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Date/Time: **Thu 9 April 2015** (14:30 – 16:00)
Room: **Case Room 3/260-055**
Session: Database/algorithms
Chair: Prashant Gupta

14:30 – 14:45   IMPROVING THE STATE-SPACE SEARCH WITH THE ABSTRACTION METHOD FOR THE BLOCKS RELOCATION PROBLEM (PRESENTER: DUSAN KU)
14:45 – 15:00   Formalisation and Understanding: A Case Study in Isabelle (Presenter: Declan Thompson)
15:00 – 15:15   Bird Song De-Noising Using Wavelets (Presenter: Nirosha Priyadarshani)
15:15 – 15:30   Meta Learning Using Market Structures (Presenter: James Curtis)
15:30 – 15:45   Synaptic Plasticity of the Granule Cell (Presenter: Azam Shirrafi)

Date/Time: **Fri 10 April 2015** (09:30 – 10:00)
Room: **OGGB5/260-051**
Session: Games/Visualization
Chair: Richard Hosking

09:15 – 09:30   AUDIO GAMES: INVESTIGATION OF THE POTENTIAL THROUGH PROTOTYPE DEVELOPMENT (PRESENTER: JAROSŁAW BEKSA)
09:30 – 09:45   Identifying User Preferences for Visualisation of Household Energy Consumption (Presenter: Latha Karthigaa Murugesan)

Date/Time: **Fri 10 April 2015** (10:30 – 11:30)
Room: **OGGB5/260-051**
Session: NLP and Machine Learning
Chair: Cameron McLean

10:30 – 10:45   SUPERVISED OPINION LEXICON EXPANSION USING EMOTICON-ANNOTATED TWITTER CORPORA (PRESENTER: FELIPE BRAVO-MARQUEZ)
10:45 – 11:00   Learning High-Order Structures for Texture Retrieval (Presenter: Ni Liu)
11:00 – 11:15   On Feature Selection Methods for Accurate Classification of Emphysema Images (Presenter: Musibau Ibrahim)

Date/Time: **Fri 10 April 2015** (13:30 – 15:00)
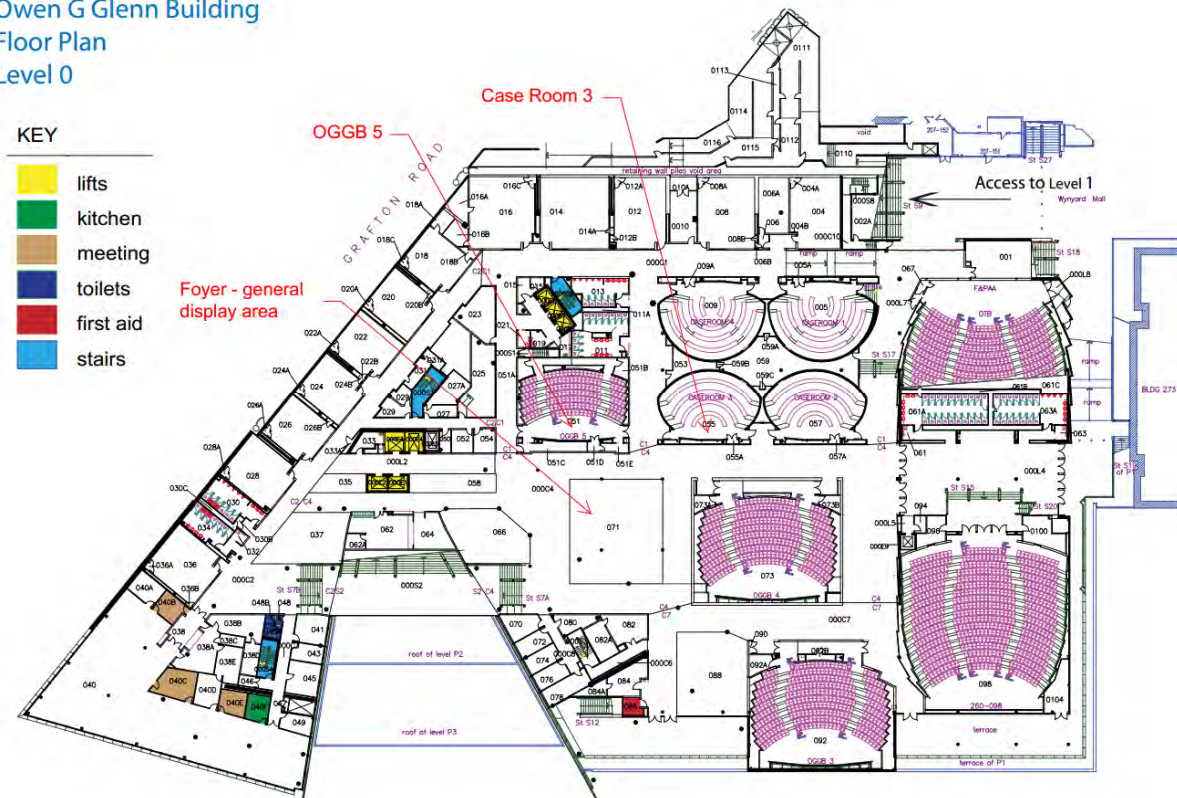Room: **OGGB5/260-051**
Session: Networks/Security
Chair: Richard Hosking

13:30 – 13:45   TEADA: A THROUGHPUT ENHANCEMENT ALGORITHM FOR DYNAMIC ASSOCIATION IN WIRELESS NETWORKS (PRESENTER: SUMMERA NOSHEEN)
13:45 – 14:00   Adaptive Channel Utilisation In IEEE 802.15.4 Wireless Body Sensor Networks: Continuous Hopping Approach (Presenter: Amir Hossein Moravejosharieh)
14:00 – 14:15   Incorporating secure routing features of MANETs in IoT routing Images (Presenter: David Airehrour)
14:15 – 14:30   SAFELITE: A SECURITY ASSESSMENT FRAMEWORK FOR SOFTWARE SYSTEMS (PRESENTER: FANGCHENG JIA)
14:30 – 14:45   Technical Review of Cyber-Physical System, its Modelling and Architectures (Presenter: Sachin Sen)

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Owen G Glenn Building
Floor Plan
Level 0

KEY

🟨	lifts
🟩	kitchen
🟫	meeting
🟦	toilets
🟥	first aid
🟦	stairs

Case Room 3

OGGB 5

Foyer - general display area

Access to Level 1

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9 & 10 April 2015 at the University of Auckland

Organising committee:	**Local representatives:**
(in alphabetical order of last name)	*(in alphabetical order of the University)*

Organising committee:
(in alphabetical order of last name)

Johannes Dimyadi
Prashant Gupta
Richard Hosking
Cameron McLean
Ni Liu
Shen Song

Administration support:
Amelia Loke
Vivian Nayon
Jo Stone
Robyn Young

Technical support:
Alexandr Shirokov
Wannes van der Mark

Local representatives:
(in alphabetical order of the University)

David Airehrour
Sotharith Tauch
Auckland University of Technology

Amir Moravejosharieh
University of Canterbury

Shahab Bayati
Nirosha Priyadarshani
Massey University

A S M Ashraful Alam
Otago University

Patrick Ozoh
Waikato University

History

The NZCSRSC was first held in 1992 at the University of Waikato. The conference grew out of the desire to bring students together to share their research and work towards building a lasting ICT student community. After a very successful conference, it was decided that the NZCSRSC would be held every few years and subsequent conferences followed in 1995 and 1999 at the University of Waikato, and 2001 at the University of Canterbury. There was a gap of a few years, then the conference returned to the **University of Waikato** in 2007, **University of Canterbury** in 2008, **University of Auckland** in 2009, **University of Victoria** 2010, **Massey University**, Palmerston North in 2011, and**University of Otago** in 2012. Then, the cycle started again with the conference returning to University of Waikato in 2013, University of Canterbury in 2014, and University of Auckland in 2015. Given the importance of the NZCSRSC to the NZ computer science research community, the hope is to continue to make the conference an annual event.

https://twitter.com/nzcsrsc2015

http://nzcsrsc.nz