

School of Engineering and Technology 2019 RHD Symposium Day 1 - Monday 4th November

Brisbane - CQU, Room 4.10 Level 4, 160 Ann Street, Brisbane QLD 4000

Zoom – https://cqu.zoom.us/j/9884791813

Please note these are Queensland times (AEST)

Registration and Lunch

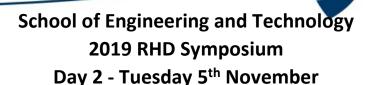
12:30 Welcome

- Introductions and Housekeeping Dr Jo Luck, RHD Lead, School of Engineering and Technology
- Symposium Chair Prof Steven Moore, Deputy Dean Research, School of Engineering and Technology

 Acknowledgement of Country – Ms Natalie Ewin (Chair, SET Indigenisation Committee) Welcome – Prof Steve Hall, Dean, School of Engineering and Technology 		
1:30 Session 1	ve riall, Deall, School of Eng	gineering and reciniology
Sundar Shrestha	Prof M Spiryagin	Presentation title not supplied
Ian de Vera	A/Prof E Gide	Developing a Strategic ICT Adoption Model to Improve the Quality of Services for Business Satisfaction of SMEs in the Philippines
David Buck	Dr B Taylor	Towards sustainable urban living using hygromorphic control of water for the environment: possibilities and community perceptions
Sunita Lata	Dr P Keleher	Groundwater-Surface Water Characteristics in Hedlow Catchment, Rockhampton, Australia
Daniel Hicks	Dr M Malouf	Modern Astronautics for Future Space Ventures
Judy Yang	Dr L Li	Development of an Artificial Neural Network Model Application in Warehouse Management
Md Mejbaul Haque	Prof P Wolfs	A novel highly efficient power converter for integrated solar and battery systems in residential applications
3:15 3:30 Session 2	Afternoon Tea Break	
Sunil Seneviratne	Dr R de Silva	Rapid Local Area Network Design for Dynamic Environments
Simon Wagner	Prof C Cole	Innovative Heavy Haul Force Control Device
Ted Pedersen	Prof S Moore	Characterising pulsed bioacoustics signals
Roksana Tumpa	Dr S Skaik	Group-Based Assessments in Project Management to Develop Soft Skills
James Jephcott	Dr A Chiou	Slicing software improvements for FDM 3D printing
Chris Bosomworth	Prof M Spiryagin	Moving Vehicle Rail Foot Flaw Detection
5:00	End of day	
5.00		

Symposium Dinner – King George Room, Floor 2, Pullman King George Square

6:00



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8:30 Arrival and Melbourne Cup Sweeps

8:50 Welcome & Housekeeping – Prof Steven Moore and Dr Jo Luck

9:00 Session 3

Arash Daemi Dr R Chugh Introducing an architectural framework for social media

integration in the project management lifecycle

Natalie Ewin Dr J Luck Presentation title not supplied

Prasanna Balasooriya Dr M Wells Presentation title not supplied

Ian Hoather Dr N Mandal Study on heavy duty glued insulated rail joint bars using steel

in steel out processes and management of rail stress at joints

in heavy haul railways

Aruna Ranganathan Prof S Thatcher Analysis of Critical Biases in Decision Making Process in

Cockpit Environment

Juan Carlos Munoz A/Prof M Cowling Presentation title not supplied

Pubudu Thihagoda Prof B Verma An Automatic Segmentation Technique for Detection of Road

Safety Attributes using Video Data

10:45 Morning Tea Break

11:15 Session 4

Esteban Bernal Prof C Cole Ultra low power sensor nodes using analogue signal

processing

Rufaida Zikria Dr S Ullah Numerical Modelling of Geocell Reinforced Soil for Resilient

Rail Infrastructure

Ali Alkhatatneh Dr S Skaik Adjudication in Australian Construction Industry

Don Skerman Prof C Cole Efficient Daily Track Monitoring System

Zohaib Jan Prof B Verma A Novel Framework for Optimized Ensemble Classifier

Jay Somasundaram A/Prof M Rasul Engineering Creativity

Madhuri Pathak Prof M Spiryagin We just detected a crack in rail foot- using laser ultrasound

1:00 Lunch

2:00 Melbourne Cup



School of Engineering and Technology

2019 RHD Symposium Day 2 - Tuesday 5th November

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Program continues.....

2:15 Session 5

Sagar Rijal Prof M Khan Presentation title not supplied

Andrew Freeman Dr S Sharma Electric vehicle revolution and the asset management

approach of the future.

Nusra Noorudheen Prof P Wolfs Relative Influence of Rod Spacing and Length on the Thermal

and Resistance Properties of Continuously Loaded Earthing

Electrodes

Tossaporn Surinkaew Dr MD R Shah A Forced Oscillation Damping in An Interconnected Power

System

Robert McKone Prof P Wolfs Presentation title not supplied

MD Hassan A/Prof M Rasul Experimental and Computational Investigation of Performance

of Solar-Assisted Bio-gas Production in Australian Subtropical

Climate.

3:45 Afternoon Tea Break

4:00 Session 6

Mostafizur Rahman A/Prof M Rasul Influence of Various Nanofluids on the Performance of

Flat-Plate Solar Collectors (FPSC)

Mehedi Hasan A/Prof M Rasul Process Optimisation for Energy Recovery from Municipal

Solid Waste Using Pyrolysis process

Vijayalaxmi Beeravalli A/Prof Ashwath Selection of Suitable Feedstock for Biofuel Production

Artificial Neural Network

Toshi Sinha (via ZOOM) Prof B Verma A Deep Learning Based Feature Extractor

5:00 End of day

6:00 Symposium Awards Dinner – King George Room, Floor 2, Pullman King George Square



School of Engineering and Technology 2019 RHD Symposium Day 3 - Wednesday 6th November

Brisbane - CQU, Room 4.10 Level 4, 160 Ann Street, Brisbane QLD 4000

9:00 Coffee/Tea

9:10 Housekeeping

9:20 RHD Milestones

Ms Kath Milostic and Ms Sarah Morgan, School of Graduate Research

10:20 RHD Student Mentor

Mr Sundar Shrestha

10:40 Q&A Session

• Informal question and answer session facilitated by Prof Steven Moore and Dr Jo Luck. Will include staff from School of Graduate Research Ms Kath Milostic, Ms Sarah Morgan and RHD Mentor, Mr Sundar Shrestha.

11:00 Light Lunch

12:00 Clean Energy Session (Clean Energy students only)

A/Prof M Rasul and Dr David Schaller (Guest Speaker)