School of Engineering and Technology
2020 RHD Symposium
Day 1 - Tuesday 3rd November

Zoom – https://cqu.zoom.us/j/88297975621?pwd=dWRVYVIwVG1xN2Z6YmhhMFFzVldLdz09
Password: 03112020
Please note these are Queensland times (AEST)

8:40   Registration, speakers check in

9:00   Welcome
- Acknowledgement of Country
- Introductions and Housekeeping – Dr Jo Luck, PRC, School of Engineering and Technology
- Symposium Chair – Prof Steven Moore, Deputy Dean Research, School of Engineering and Technology
- Welcome – Prof Steve Hall, Dean, School of Engineering and Technology

9:30   Session 1

Esteban Bernal	Prof C Cole	Reducing power consumption of railway sensor nodes using analogue signal processing
Md Mahmudul Hassan	Prof M Rasul	Experimental and computational investigation of performance of solar-assisted biogas production in Australian subtropical climate
Sunita Lata	Dr A Hammond	Presentation title not supplied
Daniel Parsons	Prof S Thatcher	Practical airport wildlife risk analysis

10:30   Morning Tea Break

11:00   Session 2

Kaixiang Zhu	Dr L Li	Online examination timetabling using Artificial Bee Colony Algorithm.
James Jephcott	Dr A Chiou	Slicing software improvements for 3D printing
Judy Yang	Dr L Li	Algorithms evaluation for improving classification and counting model in warehouse receiving management
Roksana Tumpa	Dr S Skaik	Developing a group-based assessment framework in the context of project management higher education
Toshi Sinha	Prof B Verma	A non-iterative radial basis function based quick convolutional neural network (Q-CNN)
Jay Somasundaram	Prof M Rasul	Of fishmongers and fishbones: Harmonizing education to the melodies of life
Robert Buhrke	Dr S Gordon	No password? No problem!

12:45   Lunch

2:00   Melbourne Cup

2:20   RHD Milestones
- Ms Kath Milostic and staff from the School of Graduate Research

3:20   Afternoon Tea Break

Day 1 - continued

3:40   Q&A Session

- Informal question and answer session facilitated by Dr Jo Luck. Will include Ms Kath Milostic and other staff from School of Graduate Research.

4:30   Close

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Day 2 - Wednesday 4th November

Zoom – https://cqu.zoom.us/j/88297975621?pwd=dWRVYVIwVG1xN2Z6YmhhMFFzVldLdz09
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8:40   Registration, speakers check in

9:00   Session 3

Francisco Bravo Sanchez	Prof S Moore	Using artificial intelligence in the search of a rare parrot
Rufaida Zikria	Dr S Ullah	Effect of geocell inclusion on railway ballast stability
Mehedi Hasan	Prof M Rasul	Process optimisation for energy recovery from municipal solid waste using pyrolysis process
Gitte Galea	Dr R Chugh	Exploring the use of social media by Queensland Health
Top Pun	Dr A Neupane	Computer visualization for microscopic discern and count of plant parasitic nematodes
Mostafizur Rahman	Prof M Rasul	Experimental and numerical investigations of the Influence of various nanofluids on the performance of flat-plate solar collectors

10:30   Morning Tea Break

11:00   Session 4

Aruna Ranganathan	Prof S Thatcher	Eye tracking response of trainee pilots to automation surprise
Don Skerman	Prof C Cole	Determining the critical speed for hunting using simulation
Pubudu Sanjeewani Thihagoda Gamage	Prof B Verma	Single class detection-based deep learning approach for identification of road safety attributes
Noura Tegoan	Dr Santoso Wibowo	Implementation of mixed reality technology in teaching Arabic Language for middle school students: A case of teachers' perspectives in New South Wales
Tej Shahi	Prof W Guo	Machine learning based peanut disease detection with drone aerial images
Navdeep Kaur	Dr Santoso Wibowo	Stochastic game theory approach for livestock vaccination
Sundar Shrestha	Prof M Spiryagin	Training a train – conclusion
Natalie Ewin	Dr R Chugh	Presentation title not supplied

1:00   Wrap up

1:15   End of symposium