One-minute Quick Fire Presentations

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Mr. Minol Udagedara | minol.udagedara@usq.edu.au | Fibre Optic Sensor and Deep Learning Based Structural Health Monitoring System for Civil Structures |
| 2 | Mr. Sandaruwan Jayalath | sandaruwanjayalath.henakathenennehelage@usq.edu.au | Shape memory polymer composite based thin shell structures for modular construction of deployable lunar habitats |
| 3 | Dr. Yubai Zhang | yubai.zhang@usq.edu.au | Alkali-Ion Batteries Fire Safe Materials |
| 4 | Guoliang Chen | Guoliang.Chen@usq.edu.au | High-temperature proton-conductive composite membranes for fuel cells |
| 5 | Dinuki Seneviratne | dinuki.seneviratne@usq.edu.au | Aboriginal traditional bush remedies incorporated into hydrogels – Potential treatment for chronic wounds in remote communities​ |
| 6 | Janitha Jeewantha  | janitha.jeewantha@usq.edu.au | Ortho+ Smart plaster |
| 7 | Jayani Anurangi | jayanianurangi.wickramaarachchiathukoralage@usq.edu.au | Structural Energy Storage Composite |
| 8 | Dr. Jiabing Feng | Jiabing.Feng@usq.edu.au | Green chemistry contributes to fire-retardant PLA |
| 9 | Dr Leila Javazmi | leila.javazmi@usq.edu.au | Manufacturing graphene nanofiber sensor integrated into construction composite for infrastructure inspection |
| 10 | Molly Hall | molly.hall@usq.edu.au | Through-thickness Dielectric Cure Monitoring |
| 11 | Songming Qi | songming.qi@usq.edu.au | EXPERIMENTAL AND NUMERICAL STUDY ON DEFECTS IN PULTRUDED COMPOSITES |
| 12 | Choman Salih | choman.salih@usq.edu.au | Novel Bending Test for Polymer Sleepers |
| 13 | Hadi Nourizadeh | hadi.nourizadeh@usq.edu.au | Effect of temperature on the bearing capacity of rock bolts |
| 14 | Shima Entezam | shima.entezam@usq.edu.au | Axial Load Transfer Mechanism of Rock Bolts |
| 15 | Shanika Kiriella | shanika.kiriella@usq.edu.au | Simplified theoretical prediction of load-deflection behaviour of pipe-in-pipe repair systems |
| 16 | Tri Tien | camminhtri.tien@usq.edu.au | Edge effects of a damaged host pipe on pipe-in-pipe repair systems subjected to internal pressure |
| 17 | Ahmad Salah | ahmad.salah@usq.edu.au | Axial deformation of pipe-in-pipe repair systems due to thermal loads |
| 18 | Behshad Jodeiri Shokri | behshad.jodeirishokri@usq.edu.au | Sensitivity Analyses of Fully Grouted Pull-out Test for Rock Bolt System |
| 19 | Dr Hamid Ahmadi | hamid.ahmadi@usq.edu.au | Analysis of Fibre Composites for Sustainable & Climate-resilient Navigational Aid Structures |
| 20 | Xian Yang | xian.yang@usq.edu.au | Torsion in GFRP-RC pontoon decks |
| 21 | Adrian Rex | u1145094@umail.usq.edu.au | Improving the reproducibility of research into concrete performance |
| 22 | Dr Jessica Pahl | jessica.pahl@usq.edu.au | Circular Economy: New Options for Glass & Plastic |
| 23 | Dr Matt Flynn | matt.flynn@usq.edu.au | Circular Economy: Materials Development |
| 24 | David Twine | david.twine@usq.edu.au | Self-Learning Process Modelling in Composite Manufacturing |
| 25 | Dr Tristan Shelley | tristan.shelley@usq.edu.au | Innovative Launch, Automation, Novel Materials, Communications and Hypersonics (iLAuNCH) |