

Poster Presentations

Thursday 9 February, 2017

4:30pm - 5:30pm

The Cube, Science and Engineering Centre (P Block), QUT Gardens Point

Contribution of machining parameters on fatigue behaviour of SiC reinforced metal matrix composites

A. K. Basak (1) and A. Pramanik (2)

(1) *The University of Adelaide, Australia*

(2) *Curtin University, Australia*

Ultrastructural Analysis of Maxilla Bone Mineralization in Rat Osteoporosis Model

Zhibin Du (1,2), Shifeier Lu (1), Chih-Ling Lin (4), Qiliang Zuo (2,3), Han Huang (4) and Yin Xiao (1, 2)

(1) *Queensland University of Technology, Australia*

(2) *Australia-China Centre for Tissue Engineering and Regenerative Medicine (ACCTERM), Australia*

(3) *Xiamen Stomatological Research, China*

(4) *The University of Queensland, Australia*

Photodeposition of platinum on gold-zinc oxide hybrid nanoparticles

Joseph F. S. Fernando, Matthew P. Shortell and Eric R. Waclawik

Queensland University of Technology, Australia

Enhancement of Cu₂ZnSnS₄ (CZTS) light absorption and optical properties for photovoltaic application

Nima Khoshirsat, Mahnaz Shafiei, Hongxia Wang and Nunzio Motta

Queensland University of Technology, Australia

Microscopy techniques used in the forensic analysis of concrete – a short review

G.W. Quick and M. Greaves

CSIRO, Microscopy Team, Australia

Trace elements in Queensland Fruit Flies by LA-ICP-MS

Karine Harumi Moromizato (1), Peter W. Holder (2), Karen Armstrong(2), David Murphy (1) and Charlotte M. Allen (1)

(1) *Queensland University of Technology, Australia*

(2) *Lincoln University, New Zealand*

Impact of annealing on the interaction of cold-worked Inconel 601 with molten carbonate salt

Madjid Sarvghad and Geoffrey Will

Queensland University of Technology, Australia

Textural, chemical and isotopic characterisation of zircons and apatites from the Early Jurassic Noosa quartz diorite, Queensland

Coralie Siégel, Scott Bryan, Charlotte Allen and Henrietta Cathey

Queensland University of Technology, Australia

Size effect of fracture behaviour of Al/Si₃N₄ multilayer under three points bend testing

M. Wang (1,2), D. Wang (3), P. Schaaf (3) and C. Yan (2)

(1) *Liaoning Technical University, China*

(2) *Queensland University of Technology, Australia*

(3) *Institute of Materials Engineering and Institute of Micro-and Nanotechnologies MacroNanos, Germany*

Microstructural instability of nanocrystalline face centered cubic metal under cyclic deformation

Xiaofei Zhu (1,2), Xuemei Luo (2), Guangping Zhang (2), John M Bell (1), and Cheng Yan (1)

(1) *Queensland University of Technology, Australia*

(2) *Chinese Academy of Sciences (CAS), China*