ACCIS QUICK FIRE SEMINAR
Wednesday 25th May 2016, 12:00-13:00
Small Lecture Theatre 1.15, Queen’s Building
Followed by tea and coffee in the PLT Foyer

AGENDA

Presentations by ACCIS Research Associates highlighting their current research activities:

Manufacturing – Modelling and defects

Tassos Mesogitis  Cure process simulation
Jonathan Belnoue  Numerical tools for the prediction of wrinkle formation in composite manufacturing
Mike Jones  Effect of manufacturing defects on mechanical properties of composites
Hafiz Ali  Experimental Study of Laminated Composites Containing Manufacturing Defects Under Combined Stress States
Timothy Coope  Self-repair technologies for FRP composites

Manufacturing – Raw materials

Anastasia Koutsomitopoulou  Development of a new process for production of continuous fibre
Chenchen Zhu  Manufacturing of high performance cellulose fibres using benign solvents
Thomas Pozegic  Optimised Matrices
Marco Longana  Remanufacturing of reclaimed carbon fibres

Through-thickness reinforcement

Antonio Melro  FE modelling of Z-pin reinforcement
Galal Mohamed  Through-the-thickness localised reinforcement of critical load-bearing composite structures

Modelling

Rainer Groh  Robust modelling of nonlinear geometric behaviour
Alexis Kordolemis  Gradient theories in nonlinear plates and shells
Xiaodong Xu  Predicting deboning and delamination in adhesively bonded joints
Nicholas Roberts  Computational bones growth

Pseudo-ductile composites

Meisam Jalalvand  Pseudo-ductile hybrid composites
Mohammad Fotouhi  Fibre fragmentation detection in Pseudo-ductile hybrid laminates by acoustic emission
Jonathan Fuller  Thin ply angle-ply laminates
HaNa Yu  Pseudo-ductile response in highly aligned short fibre composites