

SAMPE UK and Ireland Chapter's Annual Seminar

Sustaining Composites Growth in Adverse Environments

6th June 2019 at the University of Edinburgh

Preliminary Programme

09:30 Welcome

Tim Wybrow: Chapter Chair

09:35 Fabric reinforced thermoplastic composites – challenges and opportunities

Tim Swales, Johns Manville, Colorado, USA

10:00 Thermoplastic Infusion and In-Situ Polymerisation

Edward McCarthy and Dipa Roy, University of Edinburgh

10:25 Interfacial bonding in injection over-moulding of thermoplastic composite laminates

Ali Aravand, Queens University Belfast / Noel Bloomfield, Denroy Plastics Bangor, Co. Down

10:50 Coffee Break

11:20 Highly loaded structures in the sub-sea environment – the challenges of designing tidal turbine blade

Robert Bray, SIMEC Atlantis Energy Ltd., Bristol

11:45 Connecting Coating Properties to Rain Erosion Performance

Kirsten Dyer, Offshore Renewable Energy Catapult, Blyth

12:10 Qualification approach of PVDF composites for high pressure CO₂ applications in the Oil & Gas industry

Alexandre Paternoster (Airborne Oil and Gas) and Natalie Jordan (Solvay)

12:35 Development of novel fibre reinforced polymer composite laminate used in Oil & Gas metal pipe repair systems

Michail Kalloudis, Impact Solutions Ltd., Grangemouth

13:00 Lunch including the Chapter's AGM at 13:50

14:30 Towards closing the loop on glass fibres recycled from end-of-life and waste GRP

James Thomason/ Liu Yang, University of Strathclyde

14:55 Winner of Our 2018 Student Seminar

15:20 Spirit AeroSystems presentation : Details awaited

15:55 Seminar Close

16:00 Afternoon refreshments

16:25 Optional visit to the Engineering facilities: University of Edinburgh