7th ANNUAL CONFERENCE OF THE
CDT IN ADVANCED COMPOSITES FOR INNOVATION AND SCIENCE

Tuesday 10th April 2018
Bill Brown Design Suite, Queen’s Building, Woodland Road, Bristol, BS8 1TR

PROGRAMME

9:00
Tea/Coffee and Posters

10:00
Presentations

- Professor Paul Weaver, Director of the ACCIS CDT
  Introduction and update on CDT activities

- Third and Fourth Year CDT Students
  Technical presentations on current PhD research
  - Development of liquid processable BT resins (Robert Iredale)
  - Dijkstra’s algorithm for improved imaging of defects and plies in curved composites (Callum Lanherne)
  - A theoretical study of graphene nanoribbons (Mat Tolladay)
  - Trusses of nonlinear morphing elements (Chrysoula Aza)
  - Nonlinear lattice structures (Max Dixon)
  - Effect of high velocity oblique impacts on thin composite plates (Ashwin Krishnama)
  - Progress on the design and manufacture of a composite FishBAC morphing aerofoil (Andres Rivero)

11:00 Tea/Coffee Break (15 minutes)

- Kirigami stretchable strain sensors with enhanced piezoelectricity induced by topological electrodes (Rujie Sun)
- Development of improved fibre reinforced feedstocks for high performance 3D printing (Lourens Blok)
- Novel processing strategies to enable grading of composites (Arjun Radhakrishnan)
- Development of a closed-loop recycling methodology for aligned short carbon fibre thermoplastic composites (Rhys Tapper)
- Effect of voids on interlaminar behaviour of carbon/epoxy composites (Iryna Tretiak)

12:30-13:30
Buffet Lunch and Posters

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