6th ANNUAL CONFERENCE OF THE
CDT IN ADVANCED COMPOSITES FOR INNOVATION AND SCIENCE
Tuesday 11th April 2017
University of Bristol, Queen’s Building, University Walk, Bristol, BS8 1TR

PROGRAMME

9:00
Tea/Coffee and Posters
Central Design Office, Queen’s Building

10:00
Presentations
Pugsley Lecture Theatre, Queen’s Building

- **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
  - UV-responsive liquid crystal elastomers for room temperature shape change (Laura Beckett)
  - Inverse opals for colour display devices (Diego Bracho Garcia)
  - Development of liquid processable BT resins (Robert Iredale)
  - Creating folds: Origami inspired morphing (Manu Mulakkal)
  - Embracing nonlinearities in structural engineering design (Bradley Cox)

11:00 Tea/Coffee Break (15 minutes) Pugsley Lecture Theatre Foyer

- Realising the potential of carbon fibre composites in compression (Jakub Rycerz)
- Minimising forming defects in the diaphragm forming process by reducing interply slip resistance (Logan Wang)
- A novel fibre steering technology that allows for nature inspired composite aircraft designs: CTS (Continuous Tow Shearing) (Evangelos ZympeLoudis)

- **Second and Third Year CDT Students**
  2-minute-2-slide quick-fire project introductions
  - Research represents all four themes of the CDT with wide scope. For example, elements of new manufacturing processes (patient specific hip implants), bio-inspired design (laminated composite plates based on fish anatomy), and sustainable development (closed loop recycling, and design of efficient, robust wind turbine blades)

12:30-13:30
Buffet Lunch and Posters
Central Design Office, Queen’s Building