

# Young Researchers' Conference 2014 - Programme

- 09.30 Registration and coffee
- 10.00 Welcome by Martin Powell – Chief Executive of the Institution of Structural Engineers
- 10.10 Membership matters
- 10.20 Keynote address by Professor Molly Stevens – Imperial College London
- 10.50 Chairman's introduction
- 11.00 **Session 1**
- 11.00 Combined predictive structural finite element and musculoskeletal modelling of bone structure for study of fracture under solid blast conditions (Abstract No. 42)  
*Claire Villette – Imperial College London*
- 11.15 Origami thin-walled beams and arches for energy absorption (Abstract No. 24)  
*Yang Li – University of Oxford*
- 11.30 Discussion
- 11.40 Coffee
- 12.00 **Session 2**
- 12.00 Long term performance of CFRP tendons in pretensioned structures (Abstract No. 41)  
*Eleni Toumpanaki – University of Cambridge*
- 12.15 Lifetime extension of reinforced concrete slab-on-beam structures (Abstract No. 15)  
*Monika Grusova – University of Bath*
- 12.30 Crack control in base-restrained reinforced concrete walls (Abstract No. 29)  
*Marianna Micallef – Imperial College London*
- 12.45 Discussion
- 13.00 Lunch
- 13.40 Poster session
- 14.15 **Session 3**
- 14.15 Preliminary performance-based seismic design of buildings equipped with structural fuses (Abstract No. 16)  
*Hector Guerrero-Bobadilla – University of Manchester*
- 14.30 Self-centering steel frames with web hourglass shaped pins using fuse-post tensioned bars and viscous dampers (Abstract No. 10)  
*Athanasios Dimopoulos – University of Warwick*
- 14.45 Behaviour of a cold-formed steel portal frame in fire: full scale testing and finite element analysis (Abstract No. 19)  
*Ross Johnston – Queen's University Belfast*
- 15.00 Bi-treated glass: double treating process for enhanced performance (Abstract No. 45)  
*Marco Zaccaria – University of Cambridge*
- 15.15 Discussion
- 15.35 Tea & judging
- 16:00 Prize giving & closing remarks
- 16:30 Close