



# High speed imaging for dynamic testing of materials and structures

## 21st DYMAT Technical Meeting

**18–20 November 2013, Institute of Physics, London, UK**

Organised jointly by the IOP Applied Physics and Technology Division and DYMAT Association



<http://aptd.iopconfs.org>

### Main conference themes

- Metrology
  - Camera/equipment assessment
  - DIC, grids, etc: metrological evaluation for full-field strain and acceleration measurements
  - High and ultra high speed full-field thermal measurements
- Methodology
  - Full-field measurements data processing
  - Parameter identification/inverse problems
  - Innovative test design
- Applications
  - Constitutive behaviour
  - Failure/fracture
  - Observation of damage and failure processes
  - All types of materials/structures will be considered

### Keynote speakers

- Prof. John E Field, University of Cambridge, UK
- Dr Phillip Reu, Sandia National Laboratories, USA
- Prof. Mikael Sjö Dahl, Luleå University of Technology, Sweden

### Format

The meeting will take place over three days in single-session format to maximise interaction between speakers and audience. The conference will also include interactive poster sessions, an exhibition of high-speed camera manufacturers and a round-table session on current challenges and future developments in high-speed imaging.

### Publication

Four-page abstracts for oral and poster presentations are invited. In parallel, some authors will be asked to contribute to a themed issue on the meeting topic, to be published in *Strain* (Wiley-Blackwell).

### Important deadlines

|                              |                  |
|------------------------------|------------------|
| Abstract submission deadline | 28 February 2013 |
| Early registration deadline  | 31 July 2013     |
| Registration deadline        | 11 November 2013 |

### Organising committee

- Prof. Fabrice Pierron, University of Southampton, UK
- Prof. Janice M Barton, University of Southampton, UK
- Prof. Pascal Forquin, Lorraine University, France
- Dr Alec Goodyear, The Open University, UK
- Prof. William G Proud, Imperial College London, UK
- Dr Clive Siviour, University of Oxford, UK

### Co-sponsors

British Society for Strain Measurement (BSSM); European Physical Society, the Imaging Science Group, Royal Photographic Society; Institute of Measurement and Control; Institution of Mechanical Engineers; Society for Experimental Mechanics, Inc (SEM)

### Further information

<http://aptd.iopconfs.org>  
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