Optical methods for engineering metrology continue to develop rapidly and their application to research and development in industry and academia is following suit. This seminar is the second of its kind that the BSSM has organised to highlight progress in this interesting and important field of engineering measurement.

The theme of the seminar and exhibition is research developments and the use of optical methods in engineering measurement across a range of applications including fluid flow, modal analysis, component measurement, fracture mechanics and materials testing.

The meeting is intended to showcase recent advances and applications, to stimulate new ideas and to encourage engineers to adopt these methods. The BSSM believes that these will assist engineers and scientists in the constant quest to develop better solutions to new and increasingly complex engineering problems.

### Speakers

- **Prof Fabrice Pierron** ENSAM, Chalons-en-Champagne, France [www.chalons.ensam.fr](http://www.chalons.ensam.fr)
- **Mr Ralf Lichtenberger** LIMESS, Pforzheim, Germany [www.limess.com](http://www.limess.com)
- **Dr Russell Coggrave** Phase Vision, Loughborough, UK [www.phasevision.com](http://www.phasevision.com)
- **Prof Philip Withers** Manchester University, UK [www.sdc.manchester.ac.uk](http://www.sdc.manchester.ac.uk)
- **Dr Thorsten Siebert** DANTEC Dynamics, Ulm, Germany [www.dantecdynamics.com](http://www.dantecdynamics.com)
- **Dr Dave Hollis and Dr Sam McDonald** LaVision UK/Manchester University, UK [www.lavision.com](http://www.lavision.com)
- **Dr Kevin Potter** Imetrum, Bristol, UK [www.imetrum.com](http://www.imetrum.com)
Presentations

- Analysis of full-field measurements for material parameter determination by the Virtual Fields Method
  - Fabrice Pierron
- Modal analysis and strain measurement of periodic events with Digital Image Correlation
  - Ralf Lichtenberger
- Large-scale full-field metrology using projected fringes: some challenges and solutions
  - Russell Coggrave
- Crack monitoring and Stress Intensity Factor determination using Digital Image Correlation
  - Philip Withers
- A glimpse into state-of-the-art of Optical Measurement Technology
  - Thorsten Siebert
- Imaging techniques beyond the surface
  - Dave Hollis and Sam McDonald
- Video Metrology, precision non-contact measurements in the laboratory and in the field
  - Kevin Potter

Outline timetable

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<th>Time</th>
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<tr>
<td>09:00</td>
<td>Registration</td>
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<tr>
<td>09:30</td>
<td>Presentations</td>
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<tr>
<td>12:30</td>
<td>Lunch and Exhibition</td>
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<td>Presentations</td>
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<tr>
<td>16:00</td>
<td>Discussion session</td>
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Exhibitors

- Dantec Dynamics
  - www.dantecdynamics.com
- LaVision
  - www.lavision.com
- IMETRUM
  - www.imetrum.com
- LIMESS
  - www.limess.com
- www.ensam.fr

Booking information

Please complete, photocopy and return to: John Edwards, BSSM Society Administrator 22 St Georges Road, Bedford MK40 2LS, Tel/Fax: 01234 347778, e-mail: johnedwards@bssm.org

Name: 
Institution: 
Address: 
Postcode: 
Tel: 
e-mail: 

Fees

Delegate rates (+VAT@17.5%)
- Member: £110.00
- Non-member: £165.00
- Student Member: £50.00
- Non-member Student: £75

*The Non-member fee includes membership until 30 September 2007

Payment by cheque, credit/debit card (not AMEX) or invoice

Please make cheques payable to British Society for Strain Measurement; for payments by invoice please quote a purchase order reference number.

Please invoice: 
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Card No: 
Start date: 
Expiry date: 
Issue No. (Switch/Maestro only): 
Security code (last three digits on back of card): 

Presentations

- Analysis of full-field measurements for material parameter determination by the Virtual Fields Method
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**Venue details**

BAWA, 589 Southmead Road, Filton, Bristol, BS34 7RG. Tel: 0117 9768066

Getting to BAWA is easy thanks to good transport links from the M4 and M5.

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### Directions for getting to BAWA

**By Car**

Exit the M4 at Junction 19 onto the M32.

Exit the M32 at Junction 1 to join the A4174 towards Filton.

Cross over 2 roundabouts, the 2nd roundabout crossing the A38, onto Southmead Road.

Go through 2 sets of traffic lights, the BAWA sports field will be on your right-hand side.

Turn right into the driveway at the far end of the field.

**By Train**

Use Bristol Parkway station. This is just a couple of miles from BAWA and taxis are easily available. Alternatively, Bristol Temple Meads station is in the city centre.

**By Bus**

If you wish to travel to BAWA by bus please contact First City Line to find out the most suitable service for you. Telephone: 0117 9553231

**By Plane**

Bristol’s civil airport, Lulsgate, is south of Filton, approximately 10 miles away. Taxis are available.

This, and more detailed information, can also be found at: