

## Registration Fees

Conference Fees (excluding VAT)	Member	Non-member	Student
<b>Full conference</b> (includes B&B 6 & 7/09/04, refreshments, lunches, conference dinner and roceedings)	£460	£510	£340
<b>Day Delegate</b> (includes refreshments, lunch and proceedings)	£150	£165	N/A
<b>Conference Dinner</b>	£30		

Exhibitors Fees (excluding VAT)	Exhibition space with conference delegate (see above for fees)	Exhibition space only
<b>Class 1 members</b>	free	£150
<b>Class 2 members</b>	£150	£225
<b>Non-members</b>	£300	£300

## Conference Secretariat

Sally Cryer  
British Society for Strain Measurement  
38 Park Road North  
Bedford  
MK41 7RH

Tel/Fax: 0845 1668 382  
Email: sallybssm@mac.com

## Organising Committee

Dr M Lucas, University of Glasgow (chair)  
Dr J Barton, University of Southampton  
Dr S Quinn, University of Southampton  
Ms J Shackleton, University of Manchester  
Dr R Tomlinson, University of Sheffield

## Technical Committee

Dr S Barone, Universita degli Studi di Pisa, Italy  
Mr B Boyce, Stress Photonics Inc, USA  
Mr A Cross, StrainSense, UK  
Dr P Cunningham, University of Southampton, UK  
Dr G Dutton, CRLC Rutherford Appleton Laboratories, UK  
Prof J Eberhardsteiner, Vienna University of Technology, Austria  
Dr M Gilchrist, University College, Dublin, Ireland  
Dr S Gungor, University of Oxford, UK  
Dr Z Huang, University of Dundee, UK  
Prof D J Inman, Virginia Tech, USA  
Dr A Jones, University of Nottingham, UK  
Dr J Lord, NPL, UK  
Dr A Lavrov, SINTEF Petroleum Research, Norway  
Dr R Mines, University of Liverpool, UK  
Dr D Moreton, University of Liverpool, UK  
Dr J Orr, Queens University Belfast, UK  
Prof K Ramesh, Indian Institute of Technology, India  
Prof R Rowlands, University of Wisconsin, USA  
Dr C Scala, DSTO, Australia  
Prof E Tanner, Queen Mary University of London, UK  
Dr I Trendafilova, University of Strathclyde, UK  
Dr C Truman, University of Bristol, UK  
Dr D Tunnicliffe, BAE Systems, UK  
Dr C Walker, University of Strathclyde, UK  
Dr N Warrior, University of Nottingham, UK  
Prof P Withers, University of Manchester, UK  
Prof K Worden, University of Sheffield, UK

**BSSM** The British Society for Strain Measurement

[www.bssm.org/conferences.asp](http://www.bssm.org/conferences.asp)

International Conference on

# Advances in Experimental Mechanics

6 – 8 September 2004

Novotel Hotel  
York

## Celebrating 40 Years of BSSM

Co-sponsored by



(Structural Technology and Materials Group)



Institute of Physics



### Programme will include:

- The BSSM Measurements Lecture by Professor Tom Hyde of the University of Nottingham on the high temperature creep behaviour of materials and components.
- Keynote addresses by Dr Steve Haake of the University of Sheffield on Engineering in sport and by Professor Takashi Yokoyama of Okayama University of Science, Japan, on Impact tensile properties of adhesive and welded butt joints.
- The BSSM Young Stress Analyst Competition.
- The BSSM Annual General Meeting.

## Aim and Scope

The conference is the third in a series organised by the BSSM following from the success of the conferences in Lancaster in 2001 and Stratford-Upon-Avon in 2002. The 2004 conference continues the theme of recent advances in all aspects of Experimental Mechanics. The aim of the conference is to bring together researchers in academia and industry, present novel work, and to facilitate discussion and interchange of ideas. The focus of the conference is 'measurement and testing', however papers are welcome that cover analytical techniques that are used in conjunction with experimental work and signal processing approaches that enhance experimental data. A new theme is introduced this year on Engineering in Sport with a keynote speaker followed by a session on the topic. The other conference themes are as follows:

- Full-field techniques such as ESPI, photoelasticity and interferometry
- Strain gauge applications
- Fracture and damage assessment
- Structural health monitoring
- Full-scale testing
- Impact behaviour of materials and structures
- Analysis of fibre-reinforced materials
- Fatigue studies and determination of remnant life
- High temperature applications
- Non-destructive evaluation
- Biomechanics
- Residual stresses
- Vibration based techniques

The BSSM organises a Young Stress Analyst Competition and this will take place at the conference. Authors are invited to indicate if they wish to be included in this competition when they submit abstracts. To be eligible the presenter must be a registered student at the time of submission and must be a co-author of the paper. Substantial discounts are offered to all students attending the entire conference.

## Abstracts

Proposals for papers are invited on any of the conference themes.

One copy of the abstract of the proposed paper should be submitted to the secretariat as soon as possible, and before **14 November 2003**. The submission should include the following:

- Title of paper
- Author(s), name(s), affiliation and contact details
- Keywords
- The abstract (350 - 400 words, not exceeding a single A4 side of text) stating objectives, main results and the conclusions of the paper.

Abstracts should be emailed to the conference secretariat as an MS Word document or as plain text. Notification of acceptance of abstracts will follow by **5 December 2003**. If the abstract is accepted, the author(s) will be asked to submit a paper in the form of a 6 page paper no later than **30 January 2004**. Instructions for preparation of papers are provided on the conference web site [www.bssm.org/conferences.asp](http://www.bssm.org/conferences.asp).

## Key Dates

Deadline for submission of abstracts  
14 Nov. 2003  
Authors notified of acceptance  
5 Dec. 2003  
Full 6 page paper due  
30 Jan. 2004  
Return referees comments  
5 Mar. 2004  
Final papers due  
8 Apr. 2004

For further information on the city of York visit:  
[www.visitork.org](http://www.visitork.org)

## Exhibition

An exhibition of equipment and techniques for strain measurement and stress analysis will be held alongside the conference. Please contact the conference secretariat for details of how to exhibit.

## Conference Proceedings

All abstracts and papers will be reviewed by members of the Technical Committee. Accepted final papers will appear in the conference programme and will be included in the conference proceedings. The official language of the conference is English. The conference proceedings will be distributed at registration.

## Venue

The conference will be held at the Novotel Hotel, York which is situated just outside the city walls overlooking the banks of the River Foss. York is in the north of England with excellent road and rail links and is within easy reach of the international airports at Manchester, Newcastle and Leeds/Bradford.

## Social Programme

The social programme will include the Conference Dinner celebrating 40 Years of the BSSM and other informal events. Within the historic walls of York one may visit the Castle Museum, York Dungeons, the Jorvik Centre, York Minster and the National Railway Museum as well take a cruise up and down the River Ouse. The hotel has an indoor heated swimming pool and free car parking for conference delegates.

Activities for accompanying persons will be arranged on demand and a special hotel rate has been negotiated for those who wish to extend their stay.