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## The Journal of Adhesion

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## Calendar of Events

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## | CALENDAR OF EVENTS

### Call for Papers

**February 18–21, 2007, 30th Annual Meeting of The Adhesion Society, Inc., The Westin Tampa Harbour Island (formerly Wyndham Harbour Island), Tampa Bay, Florida, USA.** The Adhesion Society was founded in 1976. It is an international, non-profit, interdisciplinary, professional association, open to scientists, engineers and others who have an interest in the broad field of adhesion. The major activity of the Society is the annual technical meeting where recent research in areas relating to adhesion science and technology is presented and discussed. Membership dues are \$55.00 per year (\$20.00 for students and retirees).

**The 30th Annual Meeting** will be held at The Westin Tampa Harbour Island Hotel in Tampa Bay, Florida, on February 18–21, 2007. A full program, focused on adhesion science and its applications to the solution of technical problems, is planned.

A two-day **Short Course**, “*Adhesion Science and Technology*”, will be held on February 16–17, just prior to the Annual Meeting.

**The Award for Excellence in Adhesion Science, sponsored by 3M Company**, is awarded to an outstanding scientist whose expertise and research has had a significant impact in the field of adhesion science or technology. It will be presented to Prof. Liliane Léger at the opening session of the meeting during a symposium in her honor.

**A Poster Session**, which covers all topics related to adhesion science, will be an integral part of the meeting.

**An Exhibition** of equipment and literature relating to adhesion science will be held in conjunction with the Annual Meeting. For more information, contact The Adhesion Society home office, 540-231-7257, adhesoc@vt.edu.

### Topics of Emphasis

Presentations for the meeting are solicited in all areas of adhesion science and technology, with emphasis on:

- Biological and Biomimetic Adhesion Surfaces
- Contact Mechanics
- Corrosion and Adhesion
- Friction: Physics of Sliding Friction

- High Throughput Adhesion Testing
- Instrumented Indentation Techniques
- Interfaces in Electronic Systems
- Mechanics of Biomolecular and Cellular Adhesion
- Modelling Strategies for Structural Adhesives
- Nano-Modified Adhesives
- Particle Adhesion
- Pressure Sensitive Adhesives
- Structural Adhesives
- Surface Interactions
- Using AFM to Probe Surface Interactions and Mechanics

Authors wishing to present a paper or a poster should submit short abstracts of 150–250 words, *ELECTRONICALLY*, to The Adhesion Society Home Office, <adhesoc@vt.edu>, by August 15, 2006.

If you wish to target your abstract for a particular session, indicate this on the abstract. **Please underline** the name of the presenting author and include contact information. The presenting author is the person to whom all correspondence will be sent. Authors will be informed of the status of their papers by October 15, 2006.

Authors of accepted papers can find instructions for preparation of extended abstracts (maximum of three (3) pages) on our website.

Extended abstracts **must** be submitted **no later than** December 1, 2006, for inclusion in the bound meeting proceedings.

Submission of the extended abstracts, and the Copyright form for each, will be accepted electronically, in **Microsoft Word compatible format**, at The Adhesion Society Home Office – *adhesoc@vt.edu*

The website address is: <http://www.adhesionsociety.org>

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### Poster Session

Susan Ward  
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## **Short Course**

Donald Hunston  
Hunston Scientific  
20203 Goshen Road, #341  
Gaithersburg, MD 20879  
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hunston@hunstonscientific.com

## **2007 MEETING CHAIRS**

### **Program Chair**

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### **Particle Adh. Div. Program**

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## **Call for Papers**

**February 18–21, 2007, 30th Annual Meeting of The Adhesion Society, Inc., Tampa Bay, Florida, USA. Papers are solicited for specific sessions of the Particle Adhesion Division of the Society:**

**1) Small Scale Investigation of Surface Interactions, Contact and Adhesion**

Two major problems have to be tackled at such lengthscales:

\***Experimental Methodology:** Interactions between surfaces (*i.e.*, surface forces) have been extensively studied at the macroscopic scale by specific instruments like Surface Forces Apparatus. Small scale experiments suffer from several difficulties: control over small surfaces (*e.g.*, geometry, roughness, surface chemistry) or environment, measurement capabilities (*e.g.*, sensitivity, stiffness, coupling).

\***Modelling:** Where is the lower bound for our macroscopic models? Do we expect remarkable deviations at small lengthscales?

Continuing a series of sessions devoted to small scale contact, interaction and adhesion investigations at the Adhesion Society Meeting, we invite experimental or theoretical contributions oriented either towards applications or fundamental understanding.

## 2) Physical Basis of Friction Phenomena

Tribology has experienced multifarious evolutions in the recent years. Sliding dynamics has emerged as a hot research topic in areas like physics, geo-physics or bio-mechanics. Developing experimental techniques provide new avenues for small lengthscale investigations. Progress in surface physics and new methods for model surface generation like surface structuration have paved the way to well defined experimental systems.

In the continuity of previous “Science of Friction” sessions at the Adhesion Society Meeting, papers are solicited in the areas of local or macroscopic experimental investigations (AFM, SFA, micro-JKR, etc) or modelling of friction phenomena in single or multi-contact systems. Particular emphasis will be given to the relation between surface/interface structure and sliding dynamics in soft (surfactants, polymers ...) or rigid systems (ceramics ...).

For abstract submission:

Mention requested session (Particle adhesion/Contact or Friction).

For additional details contact any of the Particle Adhesion Division Officers:

Etienne Barthel, CNRS/Saint-Gobain: [etienne.barthel@saint-gobain.com](mailto:etienne.barthel@saint-gobain.com), tel: (33) 1 48 39 55 57

Steve Beaudoin, Purdue University: [sbeaudoi@purdue.edu](mailto:sbeaudoi@purdue.edu), tel: 765-494-7944

Christina De Jesus, Nexpress Solutions LLC: [mcrystina.dejesus@kodak.com](mailto:mcrystina.dejesus@kodak.com), tel: 585-726-7048

**Four Short Courses to be held at the University of Surrey, Guildford, Surrey, UK in the area of engineering materials.**

**Polymers for Advanced Applications 29 January–2 February 2007**

This short course aims to provide an up-to-date appreciation of the development and application of polymers in engineering.

It will give an introduction or an update to the science of polymeric materials, their structure, basic mechanical behaviour and shaping technology. There will follow a discussion of advanced thermosets, thermoplastics, advanced processing techniques, polyblends, alloys and adhesives. The course will conclude with a number of presentations on the applications of plastics in a range of technologies such as aircraft, automobiles, consumer goods and electronics.

**Materials under Stress: An Introduction to Fracture Mechanics and Fatigue 5–9 March 2007**

The course will explore the deformation and fracture characteristics of the principal classes of engineering materials under a range of different conditions and identify the relevance of the various fracture mechanics parameters to each of these classes, and to demonstrate the applicability of fracture mechanics in component design and lifeing. The course will be based around lectures and exercise classes. It will be suitable for new graduates in science or engineering and those who are entering the field of fracture mechanics.

**The Science of Adhesion 26–30 March 2007**

The course is designed for scientists and engineers seeking an understanding of the principles underpinning adhesion phenomena. It is suitable for both new graduates and those from other disciplines needing an introduction to the subject. Attendance at the course can act as a base for the subsequent study of specific systems, or provide the expert in a particular area (such as adhesives, paints or composites) with a thorough grounding in the scientific base of the discipline.

**Surface Analysis: An Introduction to XPS, Scanning Auger Microscopy and Secondary Ion Mass Spectrometry 23–27 April 2007**

This course comprises lectures, laboratory demonstrations and classes with module tutors. Practical aspects of surface analysis, such as specimen preparation will also be described. Participants with

specific problems concerning the application of electron spectroscopy are given ample opportunity to consult the lecturers. Although the main thrust of the module is developing expertise in XPS, AES and SIMS a brief introduction to the less common surface analysis methods is also provided.

**All these courses** are part of the Advanced Materials Programme: a range of nineteen short courses, any of which may be taken individually or from which seven may be selected and linked together with assessments and a project to form a modular MSc Degree.

**Contact:**

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## Call for Papers

**May 16–18, 2007, TECH 30 Global Conference VI, sponsored by the Pressure Sensitive Tape Council (PSTC)**, will be held at the Hyatt Regency Grand Cypress Hotel, Orlando, Florida, USA.

The Council invites researchers and developers, worldwide, to submit groundbreaking work for TECH 30. TECH 30 is the sixth global conference in PSTC's history. A special effort is being made to secure the latest and greatest in research from around the globe.

Presentations are reviewed for leading edge ideas in processes, materials, technology, test methods and environmental issues as they relate to advancing the science of pressure sensitive adhesive tapes. A panel of experts selects the best submissions for presentation at the conference and publication in the conference proceedings. Reviewers look for good science and appropriate applications to bring new products to market.

Your work in these areas is key and we welcome your participation.

Please visit the Council's web site <[www.pstc.org](http://www.pstc.org)> for further information and to submit a paper.

## Call for Papers

**May 8–10, 2007 the EUROPEAN COATINGS SHOW 2007**, the leading international exhibition for the coatings, inks, adhesives, sea-

lants and construction chemicals industry, will again be taking place at the Exhibition Centre in Nürnberg, Germany. The hectic phase of the EUROPEAN COATINGS SHOW 2007 has just begun with the mailing of application documents to potential exhibitors from all over the world and with the Call for Papers for the accompanying congress.

In 2007, for the first time, the six congresses previously organised parallel to the EUROPEAN COATINGS SHOW are being integrated into a single combined congress event, **The Nürnberg Congress**. From May 7–9, 2007 the élite decision-makers from the field of international coatings, printing inks, adhesives, sealants and construction chemical development will meet to discuss the future of their business.

**The Nürnberg Congress** is designed to be a forum for the presentation by industrial and academic scientists of new research and technical content. The objective is to shed light on significant, new and emerging areas of research, for the benefit of the industry as a whole. It also provides an opportunity for attendees and speakers to network, establish new contacts and working relationships on a truly global basis.

The theme “Formulating the Future” reflects the common feature which unites the different industries. All these industries rely on the successful combination of several ingredients to solve the problems demanded by the end-user customers. The Congress with its worldwide reputation will again bring together some 800 delegates from all over the world.

The different Congress sessions will cover the following broad topics:

- 
- |                         |                                    |
|-------------------------|------------------------------------|
| • Coatings              | • Printing Inks                    |
| • Adhesives & Sealants  | • Construction Chemicals           |
| • Production Technology | • Legislation & Regulation Issues  |
| • Purchasing            | • Mergers, Acquisition & Licensing |
- 

The deadline for the submission of technical papers for **The Nürnberg Congress** is October 5, 2006. Detailed information about the Call for Papers can be found on the Internet at [www.coatings.de/call](http://www.coatings.de/call) for papers.

For further information contact: Vincentz Network, Friederike Plasswich, P.O. Box 62 47, D-30062 Hannover, Germany. Tel: +49 511 9910-274, Fax: +49 511 9910-279, E-mail: [friederike.plasswich@coatings.de](mailto:friederike.plasswich@coatings.de)

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**for specific sessions of the Particle Adhesion Division of the Society:**

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Two major problems have to be tackled at such lengthscales:

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**2) PHYSICAL BASIS OF FRICTION PHENOMENA**

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