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Publisher *Taylor & Francis*

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The Journal of Adhesion

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713453635>

CALENDAR OF EVENTS

Online publication date: 10 August 2010

To cite this Article (2004) 'CALENDAR OF EVENTS', The Journal of Adhesion, 80: 4, 333 – 337

To link to this Article: DOI: 10.1080/00218460490440954

URL: <http://dx.doi.org/10.1080/00218460490440954>

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CALENDAR OF EVENTS

2004

June 7–9, 2004, European Coatings Conference “Smart Coatings,” Berlin, Germany. Sixteen invited conference contributions by leading international experts, representing a mixture of leading academic research institutes, start-up companies and established industrial players, will present new materials, new systems, and new ideas, which may enable novel functionalities in established coatings systems, or open up the way to entirely new coatings applications. The conference will be divided into five sessions:

- I Stimulus & Response
- II Smart Layers
- III Smart Colours
- IV Novel Applications
- V Self-Repair Concepts

A detailed conference programme can be ordered at Vincentz Network, Amanda Beyer, Schiffgraben 43, 30175 Hannover, Germany. Tel.: +49 511 99 10-271, Fax: +49 511 99 10-279, E-mail: amanda.beyer@coatings.de

Further information can also be found in the internet under www.coatings.de/ecc17.cfm

Please also mark the next European Coatings Conference dates:

Parquet Coatings III, November 25–26, 2004

The Power of Ink Jet Materials II, December 2–3, 2004

For further information visit: www.coatings.de/ecc.cfm

Suggested contributions are still welcome for these events, please contact Vincentz Network, Dr. Dirk Meine, Schiffgraben 43, 30175 Hannover. Tel.: +49 511 99 10-212, Fax: +49 511 99 10-299, E-mail: dirk.meine@coatings.de

June 28–30, 2004. Call for Papers—2nd New England International Nanomanufacturing Workshop: Breaking the Barriers to Nanomanufacturing to Enable the Commercialization of Nanotechnology, Northeastern University, Boston, MA. Organized by Northeastern University, University of Massachusetts Lowell, and University of New Hampshire National Science Foundation.

Nanomanufacturing is expected to be high-volume, high-rate, integrated assembly of nano-elements into commercial products. This involves controlling position, orientation, and interconnectivity of the nano-elements. Increases in worldwide investments over the past few years have propelled nanoscience research scientific breakthrough to a new level. To ensure that these discoveries lead to commercially viable products, it is important to address fundamental scientific barriers to nanomanufacturing, in parallel with the ongoing nanoscience research. The goal of the workshop is to address moving from laboratory fabrication and prototyping into industry-floor manufacturing. The workshop will address the following:

1. Assembly of 3D heterogeneous systems: high volume manufacturing of three-dimensional systems, integration of manufacturing and assembly.
2. Reliability and yield issues: for nanoscale devices, reproducibility and repeatability of nanomanufacturing, control of nanoscale contamination, fault/defect tolerant devices.
3. Modeling: understanding of fundamental physics at the nanoscale, reliability models.
4. Nanomaterials: scale up production of nanomaterials for manufacturing, cost.
5. Metrology: real-time characterization methods, monitoring, and characterization.
6. Infrastructure Issues: standards, instrumentation, tools, nanotechnology roadmap.
7. Cultural Issues: intellectual property issues, “nano-fear” in the public perception of nanotechnology.

Prospective authors are requested to submit an abstract of 200-300 words that includes a summary of significant results and a short biography by **Friday, April 30, 2004**. Please include the presenter's name, title, affiliation, address, telephone, fax, and e-mail. Authors selected to present at the symposium will be notified shortly after the above deadline. If your presentation is accepted, a copy of the presentation slides will be included in the workshop CD proceedings.

To submit an abstract for this Call for Papers, email your abstract to:

Angela Sutkaitis, Program Coordinator
Nanomanufacturing Research Institute
Tel.: (617) 373-3294, Fax: (617) 373-2921
E-mail: a.sutkaitis@neu.edu

For further information, please contact the Symposium Chair:
Ahmed A. Busnaina, William Lincoln Smith Professor and Director
Nanomanufacturing Research Institute
Tel.: (617) 373-2992, Fax: (617) 373-2921
E-mail: Busnaina@coe.neu.edu
For more information, visit <http://www.nano.neu.edu/nanoworkshop2004/>

August 29–September 2, 2004, 12th International Conference on Experimental Mechanics (ICEM12), to be held at Politecnico di Bari, Italy. The local Organizing and Scientific Committee of ICEM12, Carmine Pappalettere (Chairman) and Cesar A. Sciamarella (Chairman of Scientific Committee), would like to invite all interested persons to attend this meeting and to submit their contributions as soon as possible. Although the deadline for submission of abstracts is **January 31, 2004**, persons interested in attending are encouraged to visit the Web site, www.icem12.poliba.it or contact the Conference Secretariat at:

Dott.ssa Chiara Monopoli
ICEM12 Secretary
DIMeG, Politecnico di Bari
Viale Japigia, 182
70126 Bari, Italy.
Tel. +39 080 5962814
Fax +39 080 5962777
e-mail: icem12@poliba.it

September 6–9, 2004 EURADH'04. The 7th European Adhesion Conference, EURADH'04, Freiburg in Breisgau, Germany. In the tradition of former EURADH conferences, the organizers invite the international community of scientists, engineers, and practitioners to present their results on adhesion and related fields and to discuss new ideas and trends of development. The conference will be accompanied by a exhibition for products and equipment of interest for the science and technology of adhesion, surfaces, coatings and thin films.

Well-known scientists and representatives from industry have agreed to collaborate in the Scientific Committee: W. Possart (Conference Chair, Saarbrücken, GER), R. D. Adams (Bristol, UK), N. Blank (Zurich, SWISS), W. Brockmann (Kaiserslautern, GER), J. Cognard (Marin, SWISS), D. G. Dixon (Bristol, UK), S. Dieckhoff (Bremen, GER), F. Faupel (Kiel, GER), A. Hartwig (Bremen, GER), J.-J. Pireaux (Namur, BL), P. D. Poh (Frankfurt, GER), A. A. Roche (Villeurbanne, F), J. Schultz (Mulhouse, F), L. H. Sharpe (Williamsburg, VA, USA), C. Terfloth, (Detmold, GER), and W. Wittwer (Pirmasens, GER).

The topics of EURADH'04 will cover all aspects of adhesion and adhesives: recent advances in fundamental adhesion; surface chemistry; adhesion of biomolecules and bio-adhesion; modelling and simulation of interfaces and interphases; micromechanics and fracture mechanics of interphases, contact mechanics, and mechanics of adhesive joints; surface energetics; new chemistry for new adhesives; new hot melt, pressure sensitive and "green" adhesives; ageing mechanisms and durability; adhesion and tribology; advances in adhesion technologies and applications, including adhesion in microelectronics and technology, nanotechnology and adhesives, and adhesives in medicine; nondestructive evaluation of adhesive joints; and recycling and ecology. For further information or questions, please visit the Conference Website: <http://www.euradh.org>; E-mail: w.possart@mx.uni-saarland.de

September 13–15, 2004. Macromolecules and Interfaces at Virginia Tech: A Showcase of Emerging Science and Technology (MACRO 2004). The newly designed **Macromolecules and Interfaces (MI)** program at Virginia Tech announces our 3rd Annual MACRO 2004 conference and programmatic review. This conference will feature the latest research of students and faculty in the Macromolecular Science and Engineering (MACRO) program and traditional interdisciplinary Departments, as well as from the following four familiar campus centers, now recently combined to form the MI infrastructure:

- Center for Adhesive and Sealant Science (CASS)
- Polymer Material and Interfaces Laboratory (PMIL)
- Center for Composite Materials and Structures (CCMS)
- Materials Research Institute (MRI)

This review will provide an excellent opportunity for individuals throughout the scientific community to remain abreast of the MI research advances. In particular, we will introduce all research faculty

(57 faculty members formally involved in MI research), student posters (over 100 posters to be presented) and interdisciplinary research programs (sponsored research in 2000–2003 was nearly \$35 MM), including biomedical materials, nanotechnology, alternate energy sources, smart surfaces and adhesion, advanced sensors, and much more.

Important additional features and new benefits of MACRO 2004 will include:

- On-line registration
- Tours of the new Chemistry/Physics building and other facilities on campus
- Complementary CDs with electronic versions of all research presentations
- Complementary CDs containing student resumes
- A session featuring student fellowship recognition

Macromolecules and Interfaces at Virginia Tech

To reserve your space, register online at www.cass.vt.edu/Education.htm

For additional information, call Tammy Jo Hiner at (540) 231-6824 or send e-mail to thiner@vt.edu