

World of Composites

News articles and announcements of interest to the composites technical community

Call for Papers

ASTM Symposium on User Experience with Elastic-Plastic Test Methods

Papers are needed for the Second Symposium on User Experience with Elastic-Plastic Test Methods to be held 8–9 Nov. 1989 in Orlando, FL. The symposium is sponsored by ASTM standards-writing Committee E-24 on Fracture Testing.

Papers are needed in the following areas: problems encountered with test methods; improvements in equations and analysis; improvements in techniques and methods; extension of specimen size requirements; application of present test methods; application to steels in fracture mode transition; and J_{IC} , $J-R$, and CTOD approaches.

Prospective authors are requested to submit a 300- to 500-word abstract and the ASTM Paper Submittal Form no later than 1 Jan. 1989 to Dorothy Savini, ASTM, 1916 Race Street, Philadelphia, PA 19103. For Paper Submittal Forms, contact Ms. Savini at 215/299-5413.

A Special Technical Publication (STP) based on the symposium proceedings is anticipated by ASTM. For more information, contact Prof. James A. Joyce, Mechanical Engineering Department, MSIIC, U.S. Naval Academy, Annapolis, MD 21402, 301/267-3188.

Committee E-24 is one of 140 ASTM technical standards-writing committees. Organized in 1898, ASTM (American Society for Testing and Materials) is one of the largest voluntary standards development systems in the world.

Bonding and Repair of Composites

As polymer-based composites are used in an increasing number of applications, the problems associated with their bonding and

repair have grown in importance. In recognition of this interest, Rapra Technology Limited, the largest United Kingdom consultancy specialising in polymers and composites, and Butterworth Scientific Limited, publishers of the internationally renowned journal, *Composites*, are to organize jointly a one-day seminar on the topic.

Entitled "Bonding and Repair of Composites," the meeting will take place on Monday, 10th July at the Metropole Hotel, Birmingham, United Kingdom. This date has been chosen to encourage attendance by those visiting the SAMPE European Chapter Meeting commencing at the National Exhibition Centre, Birmingham, on Tuesday, 11th July.

Topics include the following:

- Composite Joints
- Adhesives for Composite Joints
- Bonding in Large Scale Composite Structures
- Repair of Composites
- Damage Assessment and Inspection Techniques
- Repair or Replacement

The organizers are now seeking contributions to the seminar program. Those wishing to present papers are asked to contact Kully Jagit, Seminar Co-ordinator, Rapra Technology Limited, Shawbury, Shrewsbury, Shropshire SY4 4NR, United Kingdom. Telephone: 0939 250383; or John Herriot, Composites, Butterworth Scientific Limited, P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, United Kingdom. Telephone: 0483 300966.

Calendar on Composites

30 April—4 May 1989

35th International Instrumentation Symposium

Orlando, FL

Contact: Frederick Kern, P.O. Box 65, Seaford, VA 23696

28 May—2 June 1989

Society for Experimental Mechanics Spring Conference

Madrid, Spain

Contact: Kathy Ramsay, Society for Experimental Mechanics, 7 School St., Bethel, CT 06801

Telephone: 203-790-6373

19–23 June 1989

EUROMECH 250: Nonlinear Structural Systems Under Random Vibs

Como, Italy

Contact: Fabio Casciati, Department Di Meccanica Strutturale, University di Pavia, Via Abbiategrasso 211 27100, Pavia, Italy

3–5 July 1989

BNF 7th International Conference, Powders, Metal Matrix Composites, Magnetics

Oxford, United Kingdom

Contact: Margaret Swadling, BNF Metals Technology Centre, Wantage Business Park, Wantage, Oxfordshire OX129BJ, United Kingdom

9–12 July 1989

1989 3rd Joint ASCE/ASME Mechanics Conference

San Diego, CA

Contact: Gemma Tansey, ASME Meetings, 345 East 47th St., New York, NY 10017

9–12 July 1989

Third Joint ASCE/ASME Mechanics Conference

University of California, La Jolla, CA

Contact: ASME, 345 East 47th St., New York, NY 10017

Telephone: 212-705-7722

31 July–4 August 1989

2nd International Symposium on Plasticity and Its Application

Tsu, Japan

Contact: Prof. Akhtar S. Khan, Aero, Mech, and Nuclear Engineering, University of Okla, 865 Asp Ave., Room 212 (FH), Norman, OK 73019

2–5 August 1989

7th International Conference on Mathematical and Computer Modelling

Chicago, IL

Contact: Prof. Xacier J. R. Avula, Dept. of Mechanical and Aerospace Engineering and Engineering Mechanics, University of Missouri-Rolla, Rolla, MO 65401

Telephone: 314-341-4661

1–4 August 1989

7th International Conference on Composite Materials

Beijing, China

Contact: Tu Dezhang, China Society of Aeronautics and Astronautics, #67 South St., Jiao Daokou, Beijing, China

16–18 August 1989

2nd International Conference on Development and Design with Advanced Materials

Montreal, Quebec, Canada

Contact: Dr. George Sih, Institute of Fracture and Solid Mechanics, Lehigh University, Bethlehem, PA 18015

Telephone: 215-758-3000

11–13 August 1989

International Conference on Constitutive Laws for Engineering Materials

Chongqing City, China

Contact: Prof. Fang Tiantong, Department of Engineering Mechanics, Chongqing, University, 630044, Chongqing, China

29 August–1 September 1989

EUROMECH 252: Bifurcation Phenomena in Solids

Glasgow, United Kingdom

Contact: R. W. Ogden, Department of Mathematics, University of Glasgow G12 80W, Scotland, United Kingdom

September 1989

EUROMECH 251: Applications of Continuum Damage Mechanics

Krakow, Poland

Contact: M. Chrzanowski, Politechnika Krakowska UL Warszawska 24, 31-155 Krakow, Poland

5–7 September 1989

Interfacial Phenomena in Composite Materials

Sheffield, United Kingdom

Contact: John Herriot, Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury St., Guildford GU2 5BH, United Kingdom

Telephone: (0483) 300966

5–8 September 1989

EUROMECH 257: Mechanical Effects Induced by a Laser

Marseille, France

Contact: M. Autric, Institute of Fluid Mechanics and Laser-Matter Interaction, University D'Aix-Marseille II, 1, Rue Honnorat, 13003 Marseille, France

18–20 September 1989

Society of Engineering Science, 26th Annual Meeting

Ann Arbor, MI

Contact: Prof. J. E. Taylor, Department of Aerospace Engineering, University of Michigan, Ann Arbor, MI 48109-2140

19–20 September 1989

Symposium: Mass Production of Composites

London, United Kingdom

Contact: E. W. Godwin, Centre for Composite Materials, Prince Consort Rd., London SW7 2BY, United Kingdom

25-28 September 1989

EUROMECH 256: Nondestructive 3-D Experimental Stress Analysis

Tallinn, USSR

Contact: H. Aben, Institute of Cybernetics, Estonian Academy of Sciences, Akadeemia TEE 21, 200108 Tallin Estonia, USSR

3-6 October 1989

4th Technical Conference, American Society of Composites
Blacksburg, VA

Contact: H. W. Hyer, Virginia Technical Dept. of Engineering Science and Mechanics, Blacksburg, VA 24061-0219

Telephone: 703-961-5372

31 October-1 November 1989

EUROMECH 255: Thermal Effects in Fracture of Multiphase Materials

Paderborn, Federal Republic of Germany

Contact: K. P. Herrmann, Lab fur Technische Mechanik, Paderborn University, Pohlweg 47-49, 4970 Paderborn, Federal Republic of Germany

6-9 November 1989

3rd Symposium on Composite Materials: Fatigue and Fracture
Orlando, FL

Contact: Dr. T. Kevin O'Brien, U.S. Army Aerostructures Directorate ARTA-AVSCOM, MS 188E, NASA Langley Research Center, Hampton, VA 23665

Telephone: 804-865-2093

10-15 December 1989

1st International Symposium on Wave Propagation in Granular Media

San Francisco, CA

Contact: Dimitrios Karamanlidis, Department of Civil Engineering, University of Rhode Island, Kingston, RI 02881

Telephone: 401-792-2783

April 1990

Advances in Fatigue Lifetime Assessment Techniques
San Francisco, CA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103

Telephone: 215-299-5413

April 1990

Rapid Mode Fracture Testing

San Francisco, CA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103

Telephone: 215-299-5413

27-30 August 1990

2nd World Congress on Computational Mechanics
Stuttgart, Federal Republic of Germany

Contact: Conference Secretary, Institute for Computer Applications, Pfaffenwaldring 27, D-7000 Stuttgart 80, Federal Republic of Germany

FAX: 0711-685-3500

November 1990

Advanced Materials/Cyclic Deformation

San Antonio, TX

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103

Telephone: 215-299-5413

November 1990

Fretting Fatigue

San Antonio, TX

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103

Telephone: 215-299-5413

Summer 1991

IUTAM Symposium on Local Mechanics for Composite Materials
Blacksburg, VA

Contact: J. N. Reddy, Engineering Science and Mechanics, Virginia Tech, Blacksburg, VA 24061-0219

Telephone: 703-961-6744

*Calendar prepared by Prof. Michael W. Hyer,
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University,
Blacksburg, VA 24061.*