

Composites Contents

Listing of current literature of interest to the composite community as a service to our readers.

Introduction

In this section, the relevant portions of the tables of contents of current journals which publish composites articles will be reproduced. The entire tables of contents will be reproduced for dedicated composites journals, but in order to conserve space and reduce printing costs, only the composites-related contents of nondedicated journals will be reproduced. At this time, permission to reproduce tables of contents has been granted by the following journals:

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- Computers and Structures
- Journal of Adhesion
- Advanced Composites
- International Journal of Analytical and Experimental Model Analysis
- Journal of Testing and Evaluation

The editor welcomes suggestions for improvements to "Composite Contents," although library acquisition and accessibility may prevent some additions to the list of journals surveyed.

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World of Composites

News articles and announcements of interest to the composites technical community

Fifth Japan-United States Conference on Composite Materials

The Fifth Japan-U.S. Conference on Composite Materials will be held at Parthenon, Tama, Tama-City, West of Tokyo, Japan on 24-27 June 1990. The Conference is sponsored by the Japan Society for Composite Materials. Cooperating U.S. organizations include ASC, ASME, and ASTM. Papers have been solicited in all areas of composite materials, including the following topics:

- Composite Material Systems
- Synthesis of composites
- Fabrication of components
- Joining and bonding
- Woven and N-dimensional materials
- High-temperature materials
- Interfaces and interphases
- Composites for space applications
- Impact and stress waves
- Composite structure
- Aeroelastic tailoring
- Static and dynamic behavior
- Stress analysis
- Property characterization
- Performance characterization
- Damage analysis and modeling
- Mechanical test methods
- Nondestructive test methods
- Fatigue and fracture
- Performance simulation
- Thick composite sections
- Life prediction

For further information, please contact: Kenneth L. Reifsnyder, Chairman, U.S. Organizing Committee, Fifth Japan-U.S. Conference on Composite Materials, 120 Patton Hall, Virginia Polytechnic Institute and State University, Blacksburg VA 24061.

Symposium on Cyclic Deformation, Fracture, and Nondestructive Evaluation of Advanced Materials

ASTM Committee E-9 on Fatigue, D-30 on High Modulus Fibers and Their Composites, and E-24 on Fracture Testing are sponsoring the symposium on Cyclic Deformation, Fracture, and Nondestructive Evaluation of Advanced Materials. The symposium will be held 12 Nov. 1990 in San Antonio, TX, in con-

junction with the 12-15 Nov. 1990 standards development meetings of Committee E-9.

The following general topics will be addressed:

- Cyclic Deformation
- Fracture Behavior
- Nondestructive Evaluation

For information regarding the symposium, contact Dorothy Savini, Symposium operations, ASTM, 1916 Race St., Philadelphia, PA 19103, 215/299-5413.

More information is available from Symposium Chairmen Dr. M. R. Mitchell, Rockwell International Science Center, 1049 Camino Dos Rios, Thousand Oaks, CA 91360, 805/373-4450 and Prof. Otto Buck, Iowa State University, Ames Laboratory, 126 Materials Division, Ames, IW 50011, 515/294-4446.

Aerospace Materials Users & Suppliers to Meet in Symposium

Users and suppliers of aerospace materials will join forces for an open discussion of industry needs and capabilities during the unique forum, "Advanced Aerospace Materials From User and Supplier Perspectives." The panel discussion format of the symposium is designed to develop an outline of evolving opportunities for advanced materials in the commercial and military aerospace markets. The program will be conducted during the 1990 TMS Annual Meeting & Exhibition in Anaheim, CA, 18-22 Feb. and is jointly sponsored by TMS and the American Ceramic Society.

Panelists from the major manufacturers will discuss their requirements for new high performance metals, ceramics, and composites with industry suppliers. These demands will be analyzed with respect to state-of-the-art suppliers capabilities and their projections for technology advancement.

Major applications of aerospace materials will be examined, including missile, airframe, engine, and auxiliary equipment needs. Overall industry trends, cost, and technological limitations will also be addressed. Symposium participation will be open for audience questions and discussion following brief presentations by each of the panelists.

User panelists will include:

- Robert Harrison, Manager Technology Transfer, General Electric Aircraft Engines
- James Munier, Chief Engineer, Allied-Signal Aerospace Company
- Robert Petrusha, Senior Staff Engineer, Lockheed Missile & Space Company, Inc.

- Dr. William Quist, Senior Principle Engineer, Boeing Commercial Airplane Company
- K. K. Sankaran, Section Chief, McDonnell Douglas Aircraft Company

Supplier panelists will include:

- Walter Cebulak, Manager Government Technology, Aluminum Company of America
- Richard C. Dickenson, Manager Carbon-Carbon Technologies, LTV Missile & Electronics Group

- William Frieman, Vice President Quality Assurance & Technology, Howmet Corporation
- W. Donald Johnson, Deputy Director Composites Division, DuPont de Nemours & Company Inc.
- William Rhodes, Senior Staff Scientist, GTE Laboratories, Inc.

For more information on Advanced Aerospace Materials from User and Supplier Perspectives, or any portion of the TMS Annual Meeting Exhibition & Program, please contact: TMS, Attn: Meetings Department, 420 Commonwealth Drive, Warrendale, PA 15086, Tel: 412/776-9050, Fax: 412/776-3770.

Calendar on Composites

21–23 February 1990

Verbundwerk '90, The International Congress and Exhibition on Advanced Composites

Wiesbaden, West Germany

Contact: Diana Schnabel, German Composite Society, Mainzer Landstraße 71, 6000 Frankfurt/Main 1, West Germany; FAX 69/253071

3 April 1990

Third Annual ASM International Symposium on Materials and Processes

Buffalo, NY

Contact: Chuck Lorge, Wilson Greatbatch, Ltd., 10,000 Wehrle Dr., Clarence, NY 14031; Telephone: 716-959-6901

24 April 1990

First Symposium on Fatigue Lifetime Predictive Techniques

San Francisco, CA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

23 April 1990

Rapid Load Fracture Testing

San Francisco, CA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

24–25 April 1990

10th Symposium on Composite Materials: Testing and Design

San Francisco, CA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

26–28 June 1990

22nd National Symposium on Fracture Mechanics

Atlanta, GA

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

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

12 November 1990

Symposium on Cyclic Deformation, Fracture, and Nondestructive Evaluation of Advanced Materials

San Antonio, TX

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

12–13 November 1990

Fretting Fatigue Test Methods and Apparatus

San Antonio, TX

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

13–14 November 1990

Symposium on Damage Detection and Quality Assurance

San Antonio, TX

Contact: Dorothy Savini, ASTM, 1916 Race St., Philadelphia, PA 19103; Telephone: 215-299-5431

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

29–31 May 1990

11th Annual International SAMPE Conference and Exhibition

Basle, Switzerland

Contact: Dr. Howard Hornfield, CONSULTEX SA, SAMPE CONFERENCE, CH-1261 Bogis-Bossey/VD, Switzerland

*Calendar prepared by Prof. Michael W. Hyer,
Virginia Polytechnic Institute and State
University,
Blacksburg, VA 24061.*

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