

CALL FOR PAPERS

35th Annual Conference of the SPI RP/C Institute

The SPI Reinforced Plastics/Composites Institute is challenging potential speakers to broaden the scope of the *35th Annual Conference* by including specifics on how reinforced plastics are helping solve national problems of energy conservation, materials management, environmental improvement, waste reduction, inflation control, and regulatory compliance.

"Reinforced plastics/composites make unique contributions to the solution of all these national problems," says Program Chairman R. W. Hewitt of Shell Development Co., "and we are calling for papers that will document these significant contributions of our industry."

As in the past, this *35th Annual RP/C Conference* (February 4-8, 1980, in New Orleans, LA) will afford a key for the interchange of information on reinforced plastics materials, products, equipment, and markets. Papers are sought on new products and developments in all the industry's major markets: automotive, marine, construction, corrosion-resistant products, appliances and business equipment, electrical, consumer, aircraft and aerospace.

This year, however, presentations on new and improved resins, reinforcements, fillers and additives; on advances in processing of both reinforced thermoplastic and thermoset compounds; on new and improved equipment and tooling; as well as on research and development work will carry an additional message. They will serve to demonstrate how reinforced plastics/composites save energy by reducing vehicle weight, save materials with more durable products, reduce the waste of rust and corrosion, provide equipment to protect the environment, improve work safety, and fight inflationary costs.

Abstracts of proposed papers, at least 250 words in length, must be submitted no later than *June 15, 1979*. Abstract forms are available upon request. Please send abstracts to:

RP/C Conference Management
The Society of the Plastics Industry, Inc.
355 Lexington Avenue
New York, NY 10017

Failure Modes in Composites V

The 109th AIME Annual Meeting, Failure Modes in Composites V, will be held February 24-26, 1980, in Las Vegas, NV. Papers are invited for presentation at the symposium on fracture modes in metal-matrix composites, which is sponsored by the TMS/AIME committee on metal-matrix composites.

Emphasis is placed on theoretical and experimental advances in the understanding of the room-temperature and elevated-temperature properties of these composites, as well as of the formation and fracture of metal-matrix composites. Specific areas of interest are fatigue, creep, stress-rupture, fracture toughness, corrosion, and stress corrosion, as well as tensile and compressive failure of continuous and discontinuous fiber-reinforced metals.

Abstracts of 200 words or less must be submitted on the new TMS abstract form, which can be obtained from J. DeLuca, P.O. Box 430, Commonwealth Drive, Warrendale, PA 15086.

The deadline for submission of abstracts is *July 6, 1979*. The abstracts should be sent to one of the two addresses given below:

A. P. Levitt
AMMRC
Watertown, MA 02172
(617-923-3337)

A. P. Divecha
R32, NSW
White Oak, MD 20910
(202-394-2019)

25th National SAMPE Symposium & Exhibition

The 25th National SAMPE Symposium & Exhibition will be held May 6-8, 1980, in San Diego, CA. The theme for this symposium is "The 1980's — Payoff Decade for Advanced Materials."

We are inviting original technical papers that describe practical ways to apply new materials concepts to solve today's problems:

- Energy efficient aircraft systems, including lightweight aircraft structures, low drag airfoil sections, and fuel efficient engines.

- Utilization of new energy sources, including solar, geothermal, tidal, and wind energy.
- Environmental problems, including atmospheric noise and water pollution, as well as waste disposal and recycling.
- High efficiency manufacturing processes, including low temperature processing cycles, rapid cycle processes, energy management and reuse, and automated processing.
- Leisure products.

Two copies of 250-word abstracts, including author(s) names, affiliation, company address, and telephone number, should be submitted no later than *July 1, 1979*, to the program chairman:

F. Riel
Mail Zone 19-T
Rohr Industries, Inc.
P.O. Box 878
Chula Vista, CA 92012
(714-575-3803)

3rd International Conference on Composite Materials

Papers on all aspects of the theory, science, and technology of composite materials and structures are being solicited for the *3rd International Conference on Composite Materials*, to be held on August 25-30, 1980, in Paris. The following general themes will be considered:

- Mechanical and physical properties of composites and their components.

- Design and analysis of composite materials and structures, including computer-aided design.
- Analysis and prevention of fracture and fatigue.
- Economic aspects of composite materials and their constituents.
- Applications of composite materials, including aeronautical and space, transport, nonstructural, general engineering, cost-trade studies, structural performance, repair, leisure products, energy storage, and biomedical.
- Fabrication methods for composite materials, including injection molding, mechanized lamination, braiding, weaving, co-curing, metal infiltration, hot pressing, etc., as well as tool design and machining processes.
- Nondestructive testing methods.
- Environmental aging and serviceability.
- Hybrid composites, including the types, properties, costs, and applications of these materials.
- Joints, including design, adhesive bonding, and mechanical fastening of composite joints.

English will be the official language of the conference. The deadline for submitting three copies of a 500-word abstract (including authors names, affiliation, address, and explanatory figures) is *November 1, 1979*. Abstracts should be sent to:

A. R. Bunsell
Ecole des Mines
de Paris
Centre des Materiaux
BP 87-91003 EVRY
Cedex, FRANCE
(Paris, 1-496-0360)

or *B. R. Norton*
Structure and
Mechanics Department
Battelle, Columbus
Laboratories
Columbus, OH, USA
(614-424-4588)

CALENDAR ON COMPOSITES

1979

May 21, 24-25, 1979

Fracture of Composites, Society for Experimental Stress Analysis
San Francisco, CA
Contact: Dr. R. E. Rowland,
University of Wisconsin,
1415 Johnson Drive,
Madison, WI 53706 (608-262-3205)

May 21-25, 1979

ASTM D-30, High Modulus Fibers and Their Composites
San Francisco, CA
Contact: James M. Whitney
Air Force Materials Laboratory,
Wright-Patterson AFB, OH 45433
(513-255-6809)

May 22-23, 1979

ASTM D-30 and E-09 Joint Symposium of the Fatigue of Fibrous Composites
San Francisco, CA
Contact: Kris Lauritis,
Rye Canyon Research Laboratories
D/7471, B/204, P/2, Box 551,
Burbank, CA 91520 (213-847-6121, ext. 291)

June 25-29, 1979

14th Biennial Conference on Carbon
Pennsylvania State University
Contact: Dr. P. A. Thrower,
302 Mineral Sciences
University Park, PA 16802
(814-865-4700, ext. 225)

July 2-6, 1979

Gordon Research Conference on Fiber Science
New London, NH
Contact: Dr. A. M. Cruickshank,
Director, Gordon Research Conferences,
University of Rhode Island
Kingston, RI 02881 (401-783-4011, ext. 3372)

September 3-7, 1979

Practical Applications and Design of Fibre Composites
University of Cambridge, England
Contact: Dr. P. Beaumont,
University of Cambridge,
England CB2 1PZ

September 11-14, 1979

International Forum: Composites, Assemblage, and Adhesion
Lyon, France
Contact: Pro Molyon,
Palais Des Congres,
Quai Achille Lignon,
69459 Lyon, France CE DE X3

October 3-4, 1979

ASTM Symposium on Test Methods and Design Allowables for Fibrous Composites
Dearborn, MI
Contact: D. A. Tobias,
c/o ASTM, 1916 Race Street,
Philadelphia, PA 19103
(215-299-5546)

October 23-25, 1979

11th National SAMPE Technical Conference
Boston, MA
Contact: Marge Smith,
SAMPE, P.O. Box 613,
Azusa, CA 91702 (213-334-1810)

December 2-7, 1979

ASME Winter Annual Meeting
New York City, NY
Contact: Prof. Jack Vinson,
Department of Mechanical and Aerospace Engineering, Room 107, Evans Hall,
University of Delaware,
Newark, DE 19711 (302-738-2421)

1980

February 4-8, 1980

*35th Annual Reinforced Plastics/Composites
Institute Conference*

New Orleans, LA

Contact: RP/C Conference Management

The Society of the Plastics Industry, Inc.

355 Lexington Avenue,

New York City, NY 10017

February 24-26, 1980

109th AIME Annual Meeting,

Failure Modes in Composites V

Las Vegas, NV

Contact: Dr. A. P. Levitt

AMMRC, Watertown, MA 02172

(617-923-3337)

August 25-30, 1980

3rd International Conference on Composite Materials

Paris, France

Contact: Mr. Bryan R. Norton

Structure and Mechanics Department,

Battelle, Columbus Laboratories,

Columbus, OH 43201 (614-424-4588)

May 6-8, 1980

25th National SAMPE Symposium and Exhibition

San Diego, CA

Contact: Marge Smith

SAMPE, P.O. Box 613,

Azusa, CA 91702 (213-334-1810)