

OCTOBER 30-31 IFSTRP

2nd Annual Conference on Integration of FEA and Structural Testing with Rapid Prototyping Dearborn, Michigan

Sponsored by SEM, this conference will provide a forum for the exchange of the most current information concerning rapid prototype technology coupled with techniques for *validation* of analytical models with experimental methods, by way of the following:

- **Demonstrations:** Finite Element - RASNA, SDRC, Algor; Photoelastic - Measurements Group; Thermoelastic - Stress Photonics
- **Tutorial:** Introduction to Rapid Prototyping Techniques
- **Case Studies** of Rapid Product Development for the Small Manufacturing Companies
- **Technical Presentations on:**
Correlation of FEA with Structural Testing
Rapid Prototyping

IFSTRP EXHIBITOR DIRECTORY

3-Dimensional Services

2547 Product Drive
Rochester Hills, MI 48309
(810) 852-1333, Fax (810) 852-2110

Complete rapid prototyping services from initial design to production tooling. Stereolithography, laminated object manufacturing, design and engineering, patterns and models, castings, CNC machining, laser processing, and stampings.

Algor, Inc.

150 Beta Drive
Pittsburgh, PA 15238
(412) 967-2700, Fax (412) 967-2781

Algor is a leading producer of mechanical engineering and design analysis software for Windows 95/NT and UNIX computers. Algor solves many field problems such as stress, heat transfer, dynamics, and fluid flow. Algor products include the EAGLE language and the Houdini FEA modeler.

Automated Analysis Corporation

2805 S. Industrial, Suite 100
Ann Arbor, MI 48104
(313) 973-1000, Fax (313) 973-1190

COMET/Acoustics, available from Automated Analysis Corp., is acoustic analysis software which computes the noise radiated from a vibrating structure or the noise generated in the interior of an enclosure.

CEMCOM Corporation

1919 Halethorpe Farms Road
Baltimore, MD 21227
(410) 247-0012, Fax (410) 247-0015

CEMCOM manufactures chemically bonded ceramic (CBC) tooling materials for matched die tooling. These materials can be combined with metal faced shells.

Cubital America, Inc.

1307F Allen Drive
Troy, MI 48083
(810) 585-7880, Fax (810) 585-7884

Using a photomask and UV floodlights, Cubital's SGC process offers the highest RP performance available. Each layer is fully cured, within 70 seconds, regardless of the number of parts being built.

Entec Services Inc.

9401 James Avenue South, Suite 165
Bloomington, MN 55431
(612) 884-8500, Fax (612) 884-8610

How Ford Developed an Engine in 100 Days
Model Making
Testing of Models

- **Post conference tour** of Mack Industries

The technical program chair is Brad Boyce of Stress Photonics, Inc. in Madison, Wisconsin.

Complementing the technical program will be a luncheon with a guest speaker, Brian Dabell with EG&G Structural Kinematics, and exhibits. The following is a listing of the exhibitors registered to-date:

- 3-Dimensional Services
- Algor, Inc.
- Automated Analysis Corp.
- CEM COM Corporation
- Cubital America, Inc.
- Entec Services Inc.
- Innovative Polymers, Inc.
- JP Technologies, Inc.
- LMS North America
- MCP Systems, Inc.
- MET-L-FLO INC.
- Mack Industries, Inc.
- Measurements Group, Inc.
- Morris Technologies, Inc.
- Ometron, Inc.
- PTE Distribution
- Polytec PI, Inc.
- Quality Systems Concepts, Inc.
- SDRC
- Spectral Dynamics, Inc./GenRad
Structural Test Products
- Stress Photonics, Inc.
- Syminex
- UCB Chemicals Corporation

Rapid product development specialists. Complete product development services including: laser digitizing; conceptual design; alias photorealistic rendering; Z-SLA 250 stereolithography; and urethane rim molding.

Innovative Polymers, Inc.

1541 W. Round Lake Road
DeWitt, MI 48820
(517) 669-7117, Fax (517) 669-5499

I.P. manufactures liquid polyurethane casting systems used for rapid prototyping. Materials range in hardness from 10 shore A to 75 shore D. We also have pigments, silicone mold-making materials and accessories.

JP Technologies, Inc.

1430 Cooley Court
San Bernardino, CA 92408
(909) 799-8000, Fax (909) 799-1904

JP Technologies manufactures and supplies strain gages including standard foil, high temperature and weldable; foil RTD's, and provides a gaging service.

LMS North America

5455 Corporate Drive, Suite #303
Troy, MI 48098
(810) 952-5664, Fax (810) 952-1610

LMS will display and demonstrate software tools for FEA model correlation and