

# First Call for Papers

ASPE 2008 Summer Topical Meeting

## Needs in Precision Manufacturing: A Market Focus

Monday - Tuesday, August 11-12, 2008  
Lake Morey Resort, Fairlee, Vermont

### Meeting Co-Chairmen:

**Daniel C. Thompson**  
**Byron R. Knapp**  
Olympic Precision, Inc.

### Technical Committee:

James B. Bryan, Bryan Associates  
Martin L. Culpepper, MIT  
Robert D. Grejda, Corning Tropel  
Robert J. Hocken, Univ. of North Carolina, Charlotte  
Eric R. Marsh, The Pennsylvania State University  
Newman M. Marsilius, Moore Tool Company  
Brian P. O'Connor, Aerotech, Inc.  
Jeffrey W. Roblee, AMETEK – Precitech, Inc.  
Alex Sohn, North Carolina State University  
Pradeep K. Subrahmanyam, RAPT Industries  
John S. Taylor, Lawrence Livermore National Lab.

**The 2008 Summer Topical Meeting is structured with significant open time to allow for technical and social interactions. Speakers must produce a 4 to 6 page abstract for the conference PROCEEDINGS.**

**Registration will be limited to 75 participants.**

For additional information please contact:

American Society for Precision Engineering  
301 Glenwood Ave., Suite 205, Raleigh, NC 27603  
P.O. Box 10826, Raleigh, NC 27605-0826  
Phone (919) 839-8444, or Fax (919) 839-8039

[www.aspe.net](http://www.aspe.net)

This meeting will focus on market-driven needs in precision engineering and manufacturing. Representatives of individual market sectors (including both technology consumers and providers) will present their visions of future needs in precision engineering and precision manufacturing. The meeting program will be formatted to include both summary analyses and predictions from recognized experts in precision engineering and manufacturing (including both market needs and emerging capabilities), and interactive discussions focusing on specific technology areas. Application-specific sessions will include formal presentations, guided discussions, and opportunities for group recommendations on future industry direction.

The ultimate goal of the meeting is to establish and quantify market-driven needs in precision manufacturing, and, with input from expert service providers, to generate the foundations for technology roadmaps that will meet industry demands. Specialists and practitioners from industry, government and academia are encouraged to attend. The meeting will be structured to allow participants to identify areas needing further research.

**Topical areas of interest include (but are not limited to) the application of precision engineering/manufacturing technologies to:**

- Energy, Environment and Sustainability
- Defense
- Microreplication – including Displays, Lens Arrays and other optics, from micro- to macro-scale
- Biomedical
- Lithography and Data Storage
- Transportation and Automotive

The meeting will be launched with a session on "Progress in Precision." Well-known precision engineers Jim Bryan and Bob Hocken will join together to present a historical review of the impact of precision on manufacturing, and predictions on future needs for continuing advances in precision. The opening session promises to set the stage for an exciting interactive meeting.

The meeting will be held at the Lake Morey Resort in Vermont's "Precision Valley," birthplace of precision manufacturing in the US. In addition to the meeting, tours of local precision-focused organizations will be included — OPI's facility in White River Junction, the American Precision Museum in Windsor, and both AMETEK – Precitech, Inc. and Moore Nanotechnology Systems, LLC in Keene, NH.

### Submission Deadlines:

**June 20, 2008** – Final deadline for submission of 400-500 word abstract to ASPE Headquarters

**June 30, 2008** – Notification of results of the selection committee to all authors submitting abstracts

**July 21, 2008** – Extended 4-6 page abstract due at ASPE Headquarters to be included in the conference PROCEEDINGS.



American Society for Precision Engineering