

**National Institute of Standards & Technology
Advanced Technology Program**

Not-yet-possible technologies are the domain of the NIST Advanced Technology Program (ATP). The ATP is a unique partnership between government and private industry to bridge the gap between the research lab and the market place, stimulating prosperity through innovation. Through partnerships with the private sector, ATP's early stage investments are accelerating the development of innovative technologies that promise significant commercial payoffs and widespread benefits for the nation. The ATP partners with companies of all sizes, universities and non-profits, encouraging them to take on greater technical challenges with potentially large benefits that extend well beyond the innovators – challenges they could not or would not address alone. As part of the highly regarded National Institute of Standards and Technology, the ATP is changing the way industry approaches R&D, providing a mechanism for industry to extend its technological reach and push out the envelope of what can be attempted.

National Nanotechnology Initiative

The National Nanotechnology Initiative (NNI) proposes \$750 million over the next two years for long-term nanoscale research and development leading to potential breakthroughs in areas such as: nanostructured materials “by design” and manufacturing; nanoelectronics, optoelectronics and magnetics; efficient energy conversion and storage; nanoscale processes for environmental improvement; advanced medicine, healthcare, therapeutics and diagnostics; chemicals and pharmaceuticals; biotechnology and agriculture; aeronautics and space exploration; and national security. NNI will incorporate grand challenges previously listed, fundamental research, centers and networks of excellence and high risk/high payoff research infrastructure. Participating agencies include NSF, NIH, NIST, DOD, DOE and NASA.

NYS Center for Advanced Thin Film Technology
CESTM, Room B110
251 Fuller Road
Albany, NY 12203



National Institute of Standards and Technology
Technology Administration
U.S. Department of Commerce

**Electronics & Photonics
Proposers' Workshop:
ATP Partnerships for
Sustainable Advantage**

<http://www.atp.nist.gov/epto/fy01albany.htm>



Wednesday, December 6, 2000

Hosted by
**U Albany Institute for Materials
Albany, NY**

<http://www.albany.edu/cat>



**Center for Economic Growth
Northeast MEP**

NIST ATP Workshop Sponsors

National Institute of Standards and Technology Advanced Technology Program Electronics & Photonics Technology Office

The Electronics and Photonics Technology Office (EPTO) of ATP was formed in order to focus ATP's efforts on the needs of the electronics, optoelectronics, and manufacturing industries. Specifically, EPTO program managers who support this technology area manage projects in the topical disciplines, review proposals submitted for funding, attend and speak at industry specific technical conferences, and work to facilitate a better interaction among U.S. industry. However, the most important aspect of EPTO's work is to gather the opinions and visions of these industries. For more information about the office, visit www.atp.nist.gov/epto.

University at Albany – SUNY U Albany Institute for Materials (UAIM)

The U Albany Institute for Materials (UAIM) serves as a unique environment to pioneer, develop, and test new high tech concepts and innovative ideas within a technically aggressive yet economically competitive research environment. The UAIM's work falls primarily in the following technology areas: microelectronics, optoelectronics, photonics, advanced energy, environmental monitoring and nano/microsystems technologies (MST). The Center serves as a catalyst for developing new products, expanding existing businesses, nurturing emerging commercial ventures, and accelerating growth in New York State and the nation. It provides not only innovative solutions to immediate manufacturing challenges, but also a means of exploring the science and technology of future generations of integrated circuit devices and components. www.albany.edu/cat

Center for Economic Growth Northeast Manufacturing Technology Center A Manufacturing Extension Partnership (MEP)

MEP is a nationwide network of not-for-profit Centers in over 400 locations nationwide, whose sole purpose is to provide small and medium-sized manufacturers with the help they need to succeed. The Centers, serving all 50 States, the District of Columbia and Puerto Rico, are linked together through the Department of Commerce's National Institute of Standards and Technology. That makes it possible for even the smallest firms to tap into the expertise of knowledgeable manufacturing and business specialists all over the U.S. www.ceg.org

Meeting Agenda

- 8:00-9:00 Registration/ Coffee**
- 9:00-9:20 Welcoming Address and UAIM Overview**
Alain Kaleyoros, Exec. Director UAIM
University at Albany-SUNY
- 9:20-10:00 New Partnerships for Tomorrow's Markets**
Alan Balutis, Director, ATP
- 10:00-10:20 Break**
- 10:20-12:30 Proposer's Conference**
Elissa Sobolewski, Acting Chief, EPTO
Conway Lackman, Economist, EPTO
- 12:30-1:30 Buffet Lunch**
- 1:30-2:00 Keynote Address**
Market Pull with Technology Push:
Blending into Strategic Action
- 2:00-2:20 Preparation of a Competitive Proposal**
Peter Krusius, CTO, Rainbow Displays, Inc.
- 2:20-2:40 Benefits of Undertaking an ATP Project**
Gregory Olsen, Pres., Sensors Unlimited, Inc.
- 2:40-3:00 Break**
- 3:00-4:00 Program Manager Meetings** (concurrent)
- Electronics & Nan/Microsystems
Technologies and Applications
- Optoelectronics and Photonic
Technologies and Applications
- 4:00-4:30 UAIM Laboratory Tours**

Who Should Attend?

The Workshop supports the microelectronics, opto-electronics, photonics, advanced energy, nano/micro-systems, and advanced materials industries. Researchers, technologists, engineers, manufacturing managers and corporate managers interested in submitting ATP proposals should attend.

Registration Form

Name: _____

Title: _____

Company: _____

Address: _____

Phone: () _____ Fax: () _____

E-Mail: _____

Will attend the following town meetings:

____ *Electronics and Microsystems Technologies and Applications*

____ *Optoelectronics and Photonic Technologies and Applications*

(Please Select One)

____ *Buffet Lunch (\$25)**

**(*Checks payable to University Auxiliary Service
and collected at the time of the meeting)**

Please return registration to:

*Darlene Dorsey
NIST Advanced Technology Program
100 Bureau Drive, MS 4720*

Gaithersburg, MD 20899-4720

Ph: (301) 975-4643

Fax: (301) 926-9524

e-mail: Darlene.Dorsey@NIST.gov

Space is Limited

Pre-Registration Deadline is December 1, 2000

Directions to the Workshop

Take the NYS Thruway (I-87) to Exit 24 (from the south & west). After the tollbooths, get on I90 East to Exit 2 Washington Avenue (from the east & north). Take a right onto Washington Avenue. At your next light, take a left onto Fuller Road. At your first light, take a right onto Tricentennial Drive. At the end of the road, take another right into CESTM, parking lot on the right.

Hotel Information

Near airport (Ten minutes from CESTM)

Desmond Americana (518) 869-8100

Hampton Inn (518) 438-2822

Near University at Albany Campus

Ramada Inn (518) 489-2981

Marriot Courtyard (518) 435-1600