

U.S. DEPARTMENT OF COMMERCE
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NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

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U.S. DEPARTMENT OF COMMERCE • TECHNOLOGY ADMINISTRATION

*Today's
Innovators ...*

**ACCELERATING
TOMORROW'S
TECHNOLOGIES**

*Double Tree Hotel
2050 Gateway Place
San Jose, CA*

Are you interested in:

- Lower construction costs
- Extended construction season
- Reduced construction waste
- Increased durability
- Increased material performance (higher strength, stiffness; improved quality and uniformity)
- Reduced construction cycle times

Attend our **1999 ATP National Meeting** in
San Jose, CA, November 15-17, 1999.

www.atp.nist.gov/nationalmeeting

Accelerating Tomorrow's Technologies . . .

How can we accelerate the new ideas, new technologies and new markets of tomorrow? If you are interested in exploring emerging R&D opportunities, don't miss the **1999 ATP National Meeting**, November 15-17 in San Jose, California.

The Advanced Technology Program was created to accelerate the development of technologies for broad national benefit through partnership with the private sector. ATP is working with construction industry partners such as the Construction Industry Institute, the Civil Engineering Research Foundation, the CONstruction MATerials Council, and the American Concrete Institute's Concrete Research and Education Foundation to foster partnerships in high-risk high payoff industry research.

Advanced construction materials and processes are essential to meeting the demands placed on both new and existing constructed facilities. A few examples of industry-identified research needs are:

- enhancing material properties through microstructural or combinatorial engineering;
- innovative technologies to improve materials manufacturing or construction processes;
- advanced "smart" materials for structural monitoring and self-repairing;
- advanced materials for use in structural control and isolation systems.

The **1999 ATP National Meeting** in San Jose, California will include workshops for those interested in performing enabling research in these areas. It will also provide a forum for designers, constructors, material manufacturers, university and government researchers to meet and exchange ideas for possible research projects.

1999 ATP National Meeting

DoubleTree Hotel

San Jose, California

November 15-17, 1999

<http://www.atp.nist.gov/nationalmeeting>

Lori Phillips, NIST

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Advanced Construction Materials and Processes: Featured speakers include:

- Doug Barno, Vice-Chair, CONstruction MATerials (CONMAT), Council and FRP Materials Industry Chair, CONMAT, **"ATP for the Construction Industries .. Seize the Moment"**
- J.C. Roumain, Alternate Materials Coordinator, Holnam, Inc. and ConREF Strategic Development Council, **Bringing Technology to Market**
- Ed Givens, Assoc. Director for Breakthrough Strategy and Globalization, Construction Industry Institute, **CII: Yesterday and Tomorrow**

This half-day workshop will also address attendee questions about ATP.

Coordinator: Chris Platt, NIST/ATP (Tel: 301-975-2153 • E-mail: cplatt@nist.gov)

Large-Scale Intelligent Composite Systems: Featured speakers include:

- Dan Witcher and Glenn Barefoot, Strongwell Corporation, **Designing, Developing, and Installing FRP Beams for Tomorrow's Bridges**
- David Johnson, Ebert Composites Corporation, **3-D Fiber Deposition Processing: The Development of Near-Isotropic Composite Bar Stock**
- Stephen Tsai, Stanford University, **Integrated Design-Manufacturing Technologies for Composites**
- Doug Barno, Market Development Alliance, **Remaining Technical Challenges in Civil Infrastructure**

This workshop will focus on FRP materials and their use in civil infrastructure and off-shore applications.

Coordinator: Felix Wu, NIST/ATP (Tel: 301-975-4685 • E-mail: felix.wu@nist.gov)

Proposer's Conference:

This half-day workshop, offered every day, explains in detail ATP requirements, criteria, and proposal preparation.

