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**This Is . . .**

This is a summary of the 99<sup>th</sup> AmeriTAC meeting and related meetings held at the Millennium Hotel, St. Louis, MO on June 10, 2009.

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**Attendance & Participation**

Here are the attendance and participation statistics for the meeting:

- 57 Total Attendance including Project Team meetings, Project Development Committee meetings, and AmeriTAC meeting.
  - 27 Member Companies represented
  - One New Member
    - **Quadrant EPP**—Arek Blazejewski
  - One Potential Member
    - **Alberta Research Council** – Jenny Been
  - 7 Guests
  - 55 Forum Questions submitted and discussed.
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**Remote Participation in Meetings**

All meetings allowed remote participation using **GoToMeeting**. 67 members remotely participated in the project team meetings and the AmeriTAC meeting.

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**Presentation – NIST Reliability**

Dr. Angelique Lasseigne gave a presentation on the NIST Update from the Materials Reliability Division, Structural Materials Group.

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**State of the Art Discussions: Embedded Sensors & On-Line Process Analysis**

A panel discussed the state of the art of embedded sensors and on-line analytical technology.

Vindhya Narayanan, Acellent Technologies, discussed their technology which uses sensors embedded in composite materials.

Ray Chrisman, The Center for Process Analytical Chemistry (CPAC), discussed CPAC on-line analytical technology and its application to the CPI.

A potential project team is considering developing a test rig equipped with sensors and process analyzers to evaluate these technologies for CPI applications.

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**One Project Approved**

AmeriTAC and the BOD approved and funded one project:

- Focused Literature Search – Hydride Formation in Alpha Titanium and Titanium Alloys (\$115k)
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## **Future Meetings**

Here are the MTI meetings scheduled to date:

- AsiaTAC 2009, September 23 - 25, Shanghai, China.
  - TAC 100 October 19 - 22, 2009, San Francisco Airport Marriott, Burlingame, CA.
  - TAC 101 February 22 - 25, 2010, Trade Winds, St. Pete Beach, FL
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## **Project Team Meetings**

These 14 project teams met during TAC 99. Project numbers are in parentheses with alphabetic (ab) denoting potential projects and numerical (123-08) denoting funded projects.

- Advanced Metal Dusting Projects (156-03, 179-07, 188-08)
  - Casting Quality Prediction (175-06)
  - Data Retrieval Service for MTI (189-08)
  - Demolition of Obsolete Equipment (ny)
  - Design for Inspection (177-07)
  - Duplex Alloy Microstructures (nv)
  - Electronic Posting of Member Company Surplus Equipment (nx)
  - High Temperature Alloy Microstructures (192-09)
  - Hydride Formation in Ti (mp)
  - Measuring Hydrogen in Ti (180-07)
  - Optimization of Cost of Chemical Plant Equipment (193-09)
  - Pneumatic Leak Testing of Heat Exchanger Tubing (nl)
  - Reliability Manual for Fixed Equipment & Piping (190-08)
  - 2<sup>nd</sup> Statistical Analysis of NDE Data (191-08)
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## **Project Development Committee Meetings**

Project Development Committees (PDC) match members' needs with new and existing technologies to identify new potential projects. These five PDC's met during AmeriTAC 99:

- Integrity & Condition Assessment PDC
  - New Materials—Polymers PDC
  - New Materials—Metals PDC
  - New Materials—Ceramics PDC
  - Knowledge Management PDC
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