
This Is . . . This is a summary of the 87th TAC meeting held in Kansas City, Missouri, on June 6-8, 2005.

Attendance Here are the attendance and participation statistics for the meeting:

- 67 Total Attendance including seminars, Project Team meetings, and TAC meeting.
- 3 Potential Members
 - Falconbridge – Frank McGlynn
 - TITAN Metal Fabricators – Tom Ukolowicz
 - Formosa Plastics – Wei-Ching Sun
- 36 Member Companies Represented
- 40 Forum Questions Submitted and Discussed

Reactive & Refractory Metals Seminar 44 MTI members participated in the one-day Reactive and Refractory Metals Seminar. Participants learned the state of art technology for fabricating, installing, and inspecting Zr, Ta, Ti and Nb equipment in the CPI. The 14 technical expert speakers included alloy suppliers, metal fabricators, and CPI uses. The participants received a CD with slides and supporting information. The same information is available on the MTI Website.

International Influence on Raw Material Supply Galen Hodge/MTI presented a state of the art seminar on *Advanced Alloys: International Influence on Raw Material Supply*. The slides are posted on the MTI Website.

Benefits of Nanotechnology for the CPI Emory Ford/MTI presented a state of the art seminar on the *Potential Economic Benefits of Nanotechnology in the Chemical and Petroleum Industry*. The slides are posted on the MTI Website.

3 Projects Approved for Funding TAC members approved three projects for funding:

- Guide for Repair and Modification of Polymer Equipment: FRP Repair
- Guide for Repair and Modification of Polymer Equipment: Linings Repair
- Post Construction Repairs of Metallic Equipment

New Project Teams Potential Project Team "me" formed with the descriptive title "Embedded Sensors in Polymers". Pradip Khaladkar/DuPont is Champion. Potential Project Team "mf" also formed with the title of "Revision of MTI Publication No. 51 – Cleaning of Process Equipment and Piping."

Incipient or Emerging Project Teams

Nine new project teams were identified during the Project Development Committee meetings and are in the process of being formed:

- Hydrogen Embrittlement of CP Titanium
 - Guide for Failure Analysis of Polymers
 - Accelerated Corrosion Testing of Polymers
 - RBI on Polymeric Materials
 - Understanding Degradation Modes of Polymeric Materials
 - Improved Design of Equipment for Better Inspectability
 - E-Learning Programs for Flange Makeup (metal, FRP, and rail)
 - E-Learning Training Modules to Incorporate PSM
 - E-Learning Incident Assessment
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Project Team Meeting Topics

Here are examples of topics addressed by MTI project teams:

- Incident Assessment
 - Designing Equipment for Inspection
 - Considerations in Selecting Alloys for CPI Applications
 - Materials Selector for Organic Solvents
 - Welding Clad Titanium Plate

 - Web-based Safety and Procedure Training
 - SS/Nickel Alloy Seminar Planning
 - Condition Assessment of Installed CPI Equipment
 - Repair and Damage Assessment of Glass-Lined Equipment

 - How to Statistically Analyze NDE Data
 - How to Implement Risk Based Inspections
 - Post Construction Repairs and Failure Analysis of CPI Equipment

 - Monitoring Integrity of RR Tank Car Joints
 - Polymer Applications for Embedded Sensors, Nanotechnologies, and Smart Materials

 - Rouging Phenomena in CPI Processes
 - Metal Dusting Mechanisms and Control
 - Fe-Cr-Al Clad Tube for Metal Dusting Control

 - Prediction of Materials Degradation
 - Hydride Resistant Ti Alloy
 - Multi-layer Smart Materials
 - Application of Ceramic Materials in the CPI

 - Design, Manufacture, Installation and Operation of FRP Flanges
 - Users Guide for Evaluating New High Tech Polymer Systems
 - Guide for Repair and Modification of Polymer Equipment
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Next Meetings

- TAC 88—October 25-27, 2005, Pittsburgh, PA
- TAC 89—February 21-23, 2006, Orlando, FL
- EuroTAC 2006—TBA
- TAC 90—June 5-8, 2006, St. Louis, MO

