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**This Is . . .** This is a summary of the 91<sup>st</sup> TAC meeting held in Dallas, Texas, October 23-25, 2006.

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**Attendance & Participation** Here are the attendance and participation statistics for the meeting:

- 90 Total Attendance including Project Team meetings, Project Development Committee meetings, and TAC meeting.
- 41 Member companies represented
- 4 Potential Members
  - J. Karol Argasinski / Solvay Solexis
  - Dawn Eden / Honeywell Process Solutions
  - Anand Samant / Praxair Inc.
  - John Wolodko / Alberta Research Council
- Special Guests
  - Dr. Masao Nakahara / ASAHI KASEI
  - Mr. Masaya Yano / Sumitomo Chemical
  - Dr. Masazumi Miyazawa / Mitsubishi Chemical
  - Mr. Kenji Kaneko / Mitsubishi Materials
  - Sharon Robinson / Oak Ridge National Laboratory
  - Kirk Richardson / KRMC
- 46 Forum Questions Submitted and Discussed

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**Fire & Explosion Assessment** The Incident Assessment project team reviewed progress on the revision of the Fire and Explosion Assessment manual. The author, Dale McIntyre, suggested the addition of several topics to the manual. The additions will require additional time to complete the revision.

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**Blast Cleaning Procedures** Bill Fort/Shell gave a presentation on blast cleaning which illustrated some potential problems and considerations when cleaning a surface with this technique. He discussed blast cleaning procedures and materials to avoid blast damage.

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**Asset Software Training** Randy John/Shell Global Solutions provided in-depth ASSET training Class using the latest software version for about 24 members. The software was developed as part of the 5-year, \$5MM ASSET project (Alloy Selection System for Elevated Temperatures).

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**Japanese CPI Initiative to Improve Safety and Reliability** Dr. Masao Nakahara / ASAHI KASEI Engineering discussed the Japanese CPI initiative to improve the safety and reliability of their plants. A one-day joint meeting between the Japanese ENAA delegation and the MTI BOD was held after the regular MTI meetings. This joint meeting focused on CUI technology, RBI procedures, and future MTI and ENAA collaboration on common problems.

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**MTI Project Management Process**

Gene Liening/Dow gave a presentation on the MTI Project Management Process and discussed how to effectively initiate and execute projects for the benefit of member companies.

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**2 New Project Teams Formed**

Two new project teams formed:

- Metal Dusting Materials & Coatings (mr) – This group will be looking at testing new materials and coatings under metal dusting conditions.
  - Hydriding of Titanium (mp) – This group will be collecting service information on hydriding of titanium with the plan to study the mechanism involved.
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**Project Team Meetings**

Here are the project teams that met during TAC 91:

- Prediction of Materials Degradation PDC
    - RBI of Polymer Materials
    - Linkage of Corrosion Testing to Modeling
  - Guide for Repair & Modification of Polymer Equipment
    - Freestanding Thermoplastic Structures
    - FRP Equipment, and
    - Lined Equipment
  - Users Guide for Evaluating New Polymer Systems
  - Embedded Sensors in Polymers & Ceramics
  
  - Thin Film Thermal Insulating Materials
  - Rouging
  - Metal Dusting Materials & Coatings
  
  - MRO Vendor Audit Document for ASME PCC
  - Statistical Analysis of NDE Data
  
  - Titanium Hydriding Mechanisms
  
  - Designing for Inspection
  - Remote Visual Inspection of Ceramic & Polymer Equipment
  - Incident Assessment
  - API Combined In-service inspection code revisions
  - Repair & Damage Assessment of Glass Lined Equipment
  
  - Performance Data on Ceramic Fiber Insulation
  - Chemical Degradation of Refractories in Reactive Gas Service
  - Instrument Reliability Manual
  
  - Planning for International Seminar on Evergreening RBI
  - SS/Nickel Alloy Seminar Planning
  
  - Revision of Publication 51 “Cleaning of Process Equipment & Piping”
  - Creation TAC Technical Awareness Bulletins
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