

ASME Aerospace Division Summary
ASME Congress & Exposition, Hilton New Orleans Riverside
November 18, 2002

Committee Chair: Inderjit Chopra (chopra@eng.umd.edu)

Involves Four Technical Committees: Adaptive Structures and Materials, Crew Systems, Propulsion, and Structures and Materials.

Committee: Chair: Inderjit Chopra, Vice-Chair: Andrew Bicos, Secretary: John Robinson, Members: Prabhat Hajela, Ephrahim Garcia, Ajit Roy, Jay Yoshinaga

Chair Adaptive Structures & Materials: Gregory Carman

Chair Structures & Materials: John Whitcomb

Chair Propulsion: Scott Sawyer

Chair Crew Systems: Philip Spampinato

1. Conferences: ASMS: Venue: ASME Congress, November, Organizer ASME
Adaptive Structures and Material Systems Symposium
2001: John Main and John Shaw: New York:56 Papers, 15 Tech Sessions over 3 days
2002: John Shaw and Mary Frecker: New Orleans: About 60 Papers, 13 Sessions
2003: Mary Frecker and Don Lou
2004: Don Lou and Chris Lynch
2. Conference: AIAA/ASME/AHS Adaptive Structures Forum: April: Organizer AIAA
Adaptive Structures Conference (Forum up to 2002)
2002: Diann Brei and Vit Babuska: Denver, CO, 57 papers in 10 Sessions
2003: Vit Babuska and Greg Agnes: Norfolk, VA
3. Conference: SPIE International Symposium on Smart Structures and Materials, Venue:
San Diego, March, Organizer SPIE
Total 9 Conferences: ASME organizes Four, Smart Structures and Integrated Systems
Conference, Active Materials Conference, Damping and Isolations Conference,
Industrial Application Conference, Over 700 attendees
2002: Chair:Marc Regelbrugge Co-Chair: Vasundara Varadan: San Diego, 740 attendees,
Papers: 525 (02), 592 (01), 697 (00)
2003: Chair:Marc Regelbrugge Co-Chair: Vasundara Varadan
4. Conference: ICAST: October (Rotated every third year USA, Europe and Asia),
Organizer Host Country ICAST Committee
International Conference on Adaptive Structures and Technology
2001: University of Maryland, Inderjit Chopra, Single Session 3-Day, 40 papers
2002: Potsdam, Germany, Elmar Breitbach, Single Session 3-day, 45 papers
2003: Seoul, Korea, Sung Jun Kim
2004, VPI, Dan Inman

5. Conference: AIAA/ASME/ASCE/AHS/ASC SDM, April, Organizer AIAA
Structures, Structural Dynamics and Materials Conference
2002: Denver, CO, 569 Papers
2003: Norfolk, VA, Tech Chair: Prabhat Hajela

6. Conference: Joint Propulsion Conference: AIAA/ASME/SAE/ASEE, July, Organizer: AIAA
2002: Indianapolis, Indiana
2001: Salt Lake City

7. Conference: IMECE: Focused Structures Issues: Venue: IMECE, Organizer: ASME
2001: New York City: 12 Technical Sessions, Static and dynamic behavior of plates and shells (Symposium honoring Professor Simites) and Symposium on Thermal Barrier Coatings (collaboration with Applied Mechanics and Material Divisions)
2002: New Orleans: About 13 Technical Sessions, Collaboration in 5th International Symposium on Fluid Structure Interaction, Aeroelasticity, Flow Induced Vibration and Noise: 6 Aeroelasticity Sessions

8. Conference: AIAA/ASME/SAE/AICHE/ASMA International Conference on Environmental Systems (ICES), July, Organizer: AIAA, Crew Systems Technical Committee, ASME-Chair for 2002

9. Awards:
 - Spirit of St. Louis Medal: Life Time Achievement towards Advancement of Aeronautics and Astronautics, Thomas Kelly (2002), Sheila Widnall (2001)

 - Daniel Guggenheim Medal: Multi-society award (ASME, AIAA, SAE): Life-time Achievement towards Advancement of flight

 - ASME Adaptive Structures and Material Systems Prize: Ephraim Garcai (2002), Inderjit Chopra (2001)

 - ASMS Best Paper Awards (Chair: John Main) Two awards:
Structures and Structural Dynamics: George Nelson and Jeffrey Martin (2000)
Materials and Material Systems: Pavel Chaplya and Greg Carman

 - Propulsion Best Paper Award: Sandy Fleeter and Mark Richmond (2002)

 - ASME/Boeing Best Paper Award (SDM Papers): Cesnik Carlos and T. Radcliffe (2002)

10. Government Interactions

“The Crisis in U. S. Aviation Research and Technology” ASME Government Relations Office in Washington DC (Kathryn Holmes) worked with an Aviation Coalition of 10 engineering, professional and industry organization to call attention to the continuing decline in federal support for aeronautics research. 50% decline in NASA’s aeronautics budget over past decade.

Written testimony on NASA’s FY03 budget: early this year to Subcommittee on Veterans Affairs, Housing and Urban Development. In July 02, Senate Appropriation Committee boosted NASA budget to \$15.2 billion for FY03 (\$298 million above FY02 budget). FY03 aeronautics budget \$541 million.

Rep. John Larson (D-CT) introduced H. R. 4653 “The Aeronautics Research and Development Revitalization Act of 2002” (an increase of \$373 M for aeronautics R&D in FY03 ramping every year to a total of \$1 billion in FY07).

Senators Christopher Dodd (D-CT) and George Allen (R-VA) introduced companion bill (S.2966) in September: Focus on fuel-efficiency of commercial airlines as well as noise reduction, improved emissions, wake turbulence, more stringent safety and security standards, more efficient traffic control and supersonic transport.

Since November 2001, congressionally mandated 12 members “Commission on the Future of the US Aerospace Industry” studying critical issues focused to export, space infrastructure, air transportation, aeronautics R&T and aerospace industry base. Issued 3 interim reports.

100th Anniversary of Flight Celebrations: Aerospace Division in conjunction with our Coalition Partners will convene noontime briefings on Capitol Hill to brief staffers and congressmen on aeronautics R&T

100th Anniversary of Flight Celebration: Wright Flyer III will be designated a Historic Mechanical Engineering Landmark by ASME on Thursday Feb 20, 2003, 2-4 PM. Located at Dayton’s Carillon Historic Park

11. Statistics:

Custodial Account: \$11,786 (01), \$7,634(02)

Memberships: 6040 (01), 7780 (02)

Fellows: 115(01), 111(02)

ASME Contact Persons:

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