

# IMAC VIII PRELIMINARY TECHNICAL PROGRAM

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## SUNDAY PM, JANUARY 28

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Dean's Reception

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## MONDAY AM, JANUARY 29

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### OPENING SESSION

Welcoming Remarks

Keynote Address — "Identification Challenges for Large Space Structures"

Richard S. Pappa, NASA Langley Research Center, U.S.A.

### SESSION 1. EXPERIMENTAL CASE HISTORIES I

Chairperson: Dr. Thomas Pal, Schlumberger Instruments, U.S.A.

### SESSION 2. ANALYTICAL METHODS I

Chairperson: Prof. T.C. Huang, University of Wisconsin-Madison, U.S.A.

### SESSION 3. STRUCTURAL DYNAMICS MODIFICATION I

Chairperson: Dr. R. Gene Smiley, Entek Scientific Corp., U.S.A.

### SESSION 4. LINKING ANALYSIS AND TEST I

Chairperson: Ole Dossing, Bruel & Kjaer, Denmark

### SESSION 5. PROCESSING MODAL DATA I

Chairperson: Dr. Michael Pakstys, NKF Engineering, U.S.A.

### SESSION 6. MODAL TEST METHODS I

Chairperson: Dr. Paul Sas, Katholieke Universiteit Leuven, Belgium

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## MONDAY PM, JANUARY 29

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### SESSION 7. SYSTEM IDENTIFICATION I

Chairperson: Prof. David J. Ewins, Imperial College, U.K.

### SESSION 8. MODAL TECHNIQUES FOR ROTATING MACHINERY I

Chairperson: Fred Eberle, Amoco, U.S.A.

### SESSION 9. MODELING STRUCTURES I

Chairperson: Prof. Samir Ibrahim, Old Dominion University, U.S.A.

### SESSION 10. SUBSTRUCTURING

Chairperson: Dr. Virgil Snyder, Michigan Technological University, U.S.A.

### SESSION 11. NOISE/ACOUSTICS TOPICS

Chairperson: Dr. J.D. Jones, Purdue University, U.S.A.

### SESSION 12. EXPERIMENTAL TECHNIQUES

Chairperson: Dominique Bonnetcase, AS&I Rhone-Alpes, France

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## TUESDAY AM, JANUARY 30

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### SESSION 13. NONLINEAR STRUCTURES

Chairperson: Prof. G.R. Tomlinson, Heriot-Watt University, U.K.

### SESSION 14. FINITE ELEMENT ANALYSIS I

Chairperson: Dr. Mark H. Richardson, Structural Measurements Systems, Inc., U.S.A.

### SESSION 15. LINKING ANALYSIS AND TEST II

Chairperson: E. Fissette, ESTEC, The Netherlands

### SESSION 16. ANALYTICAL METHODS II

Chairperson: Prof. Lingmi Zhang, Nanjing Aeronautical Institute, China

### SESSION 17. MODAL TECHNIQUES FOR ROTATING MACHINERY II

Chairperson: Prof. R.J. Allemang, University of Cincinnati, U.S.A.

### SESSION 18. DAMPING

Chairperson: John Krezel, David Taylor Research Center, U.S.A.

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## TUESDAY PM, JANUARY 30

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### SESSION 19. ANALYTICAL METHODS III

Chairperson: Prof. L.D. Mitchell, Virginia Polytechnic Institute and State University, U.S.A.

### SESSION 20. SYSTEM IDENTIFICATION II

Chairperson: Dr. Hvard Vold, S.D.R.C., U.S.A.

### SESSION 21. LINKING ANALYSIS AND TEST III

Chairperson: E. Fissette, ESTEC, The Netherlands

### SESSION 22. PROCESSING MODAL DATA II

Chairperson: Dr. Klaus Muhlbauer, Industrieanlagen-Betriebsgesellschaft, Germany

### SESSION 23. MODAL TEST METHODS II

Chairperson: Prof. Bruno Piombo, Politecnico di Torino, Italy

### SESSION 24. MODELING STRUCTURES II

Chairperson: Prof. Nobuyuki Okubo, Chuo University, Japan

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## WEDNESDAY AM, JANUARY 31

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### SESSION 25. STRUCTURAL DYNAMICS MODIFICATION II

Chairperson: Dr. Benjamin Whang, David Taylor Research Center, U.S.A.

### SESSION 26. ANALYTICAL METHODS IV

Chairperson: Dr. James Deel, Zonic Corporation, U.S.A.

### SESSION 27. SYSTEM IDENTIFICATION III

Chairperson: Prof. David Brown, University of Cincinnati, U.S.A.

### SESSION 28. LINKING ANALYSIS AND TEST IV

Chairperson: Dr. Daniel J. Inman, State University of New York at Buffalo, U.S.A.

### SESSION 29. VEHICULAR

Chairperson: David E. Foley, General Motors Research Center, U.S.A.

### SESSION 30. FUNDAMENTALS OF MODAL ANALYSIS

Chairperson: Dr. A.L. Wicks, Virginia Polytechnic Institute and State University

Conference Luncheon Address — "Modal Analysis in the Automotive Industry"  
Thomas L. Mitchell, Vibration Projects Group of the Noise and Vibration Laboratory, General Motors Corporation, U.S.A.

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## WEDNESDAY PM, JANUARY 31

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### SESSION 31. SPACE STRUCTURES

Chairperson: Otto Brunner, ESTEC, The Netherlands

### SESSION 32. STRUCTURAL DYNAMICS MODIFICATION III

Chairperson: Dr. John O'Callahan, University of Lowell, U.S.A.

### SESSION 33. PROCESSING MODAL DATA II

Chairperson: Dr. Jin Zhang, Beijing University of Aeronautics and Astronautics, China

### SESSION 34. LINKING ANALYSIS AND TEST V

Chairperson: Dr. David Goldsmith, David Taylor Research Center, U.S.A.

### SESSION 35. SEISMIC TOPICS

Chairperson: Dr. Gerard Pardoan, University of California, U.S.A.

### SESSION 36. EXPERIMENTAL CASE HISTORIES II

Chairperson: Prof. L. Gaul, University of the Federal Armed Forces Hamburg, Germany

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## THURSDAY AM, FEBRUARY 1

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### SESSION 37. STRUCTURAL DYNAMICS MODIFICATION IV

Chairperson: Dr. Simon Braun, Technion, Israel

### SESSION 38. ANALYTICAL METHODS V

Chairperson: Prof. Cheng Yaodong, Zhejiang University, China

### SESSION 39. LINKING ANALYSIS AND TEST VI

Chairperson: Antonie Stroeve, Structural Analysis Consultants, Inc., U.S.A.

### SESSION 40. EXCITATION METHODS

Chairperson: Dr. Richard C. Stroud, Synergistic Technology, Inc., U.S.A.

### SESSION 41. EXPERIMENTAL TECHNIQUES II

Chairperson: Dr. Martin Trethewey, The Pennsylvania State University, U.S.A.

### SESSION 42. SYSTEM IDENTIFICATION IV

Chairperson: Anders Reveman, Tre Konsulter, Sweden

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## THURSDAY PM, FEBRUARY 1

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### SESSION 43. FINITE ELEMENT ANALYSIS II

Chairperson: Dr. J. Leuridan, LMS International, Belgium

### SESSION 44. LINKING ANALYSIS AND TEST VII

Chairperson: Leon Corcoran, Scientific-Atlanta, Spectral Dynamics Division, U.S.A.

### SESSION 45. ANALYTICAL METHODS VI

Chairperson: To Be Announced

### SESSION 46. SYSTEM IDENTIFICATION V

Chairperson: To Be Announced

### SESSION 47. DESIGN METHODS

Chairperson: To Be Announced