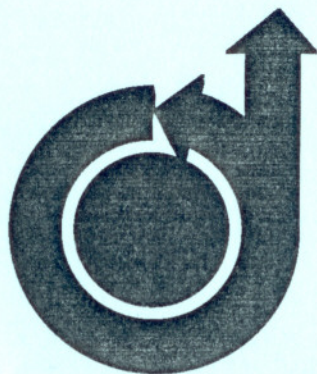


American Institute of Aeronautics and Astronautics

Houston Section



25th Anniversary
Honors and Awards Banquet

June 4, 1987
5:30 pm
Gilruth Center

1986-87 Section Officers

Chairman	Karen D. Godek
Chairman-Elect	Carl R. Huss
Vice-Chairman, Operations	Louis E. Livingston
Vice-Chairman, Technical	Walter J. Lueke
Secretary	Debra L. Nienhaus
Treasurer	Scott Satterwhite
Councillors	Kyle O. Fairchild Richard A. Hermling Ernest R. Hillje Robert E. Lewis Ava Lunsford Edward J. Monteiro James Oberg Don Rhorer Stephanie A. Vickery Richard L. West Nancy Wood

Operations Committee Chairmen

Richard P. Bennett	Student Affairs
Karen Johnson	Publicity
Quin D. Shepperd II	Public Affairs
William A. Stewart	Newsletter
John W. Sunkel	Educational/Professional Development
Dr. Zafar Taqvi	Programs and Events
James T. Visentine	Membership
Richard L. West	Honors and Awards
Bret Wingert	Young Members

Technical Committee Chairmen

Dr. Frank Baimonte	Energy Systems
Ray A. Baker	Communications Systems
William Bryan	Space Systems
Carlos S. Campos	Management
Kyle O. Fairchild	International Space Activities
Dr. Marian L. Lewis	Life Science Space Processing
Jalal Mapar	Mechanics and Control of Flight
Edward J. Monteiro	Computer and Software Systems
Don Probe	Materials, Structures, and Dynamics
Charles A. Ritrivi	Ground and Test Simulation

**AIAA Houston Section
1987 Honors and Awards**

Joe Algranti - for continued service to the Houston Section as representative to the Region IV Activities Council.

John Alred - for his assistance in the organization of the 12th Annual Technical Symposium.

Dr. Frank Baimonte - for dedicated service as Chairman of the Energy Systems Technical Committee.

Ray Baker - for dedicated service as Chairman of the Communications Systems TC and for chairing a Session at the 12th Annual Technical Symposium.

• **Jerome Bell** - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.

Richard P. Bennett - for dedicated service as Chairman of the Student Affairs Committee and for his contributions to the Scholarship Committee and the Science and Engineering Fair.

Bill Best - for dedicated service as AIAA representative to the Clear Lake Council of Technical Societies; for his work on the newsletter committee; and for his assistance during the 12th Annual Technical Symposium.

William Bryan - for dedicated service as Chairman of the Space Systems Technical Committee and for helping organize and chairing a Session at the 12th Annual Technical Symposium.

Carlos S. Campos - for dedicated service as Chairman of the Management Technical Committee, and for his contributions to the 12th Annual Technical Symposium.

Dr. Aaron Cohen - for continual support of the Houston Section and for serving as General Chairman for the 12th Annual Technical Symposium.

Don Cravey - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.

Glenn Ellis - for dedicated service to the Section through his work on the Newsletter, membership on the Teller's Committee, and his assistance during the 12th Annual Technical Symposium.

Kyle O. Fairchild - for dedicated service as Chairman of the International Space Activities Committee and as a Councillor to the Section, and for his help in the creation of the "New Horizons '87: Space for a Wider World" program.

Karen D. Godek - for dedicated service and outstanding leadership as Chairman; for her work on the newsletter; and for her assistance during the 12th Annual Technical Symposium.

Jack C. Heberlig - for dedicated service as a Senior Advisor to the Section and for his contribution to the history of the Houston Section through creation of the Twenty-fifth Anniversary collage and documentary booklet.

Richard A. Hermling - for his dedicated service as Councillor to the Section, and for his contributions to the 12th Annual Technical Symposium.

Ernest R. Hillje - for dedicated service as a Councillor to the Section and as representative to the Clear Lake Council of Technical Societies.

Jim O. Hudson - for continued service as Section Historian.

Carl R. Huss - for dedicated service as Chairman-Elect; and for his work on the Scholarship Committee, Visions '87, and the Science and Engineering Fair of Houston.

Abdul Hye - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.

Karen Johnson - for dedicated service to the Houston Section as Chairman for Publicity; for her work on the Membership Committee; and for her contributions to the 12th Annual Technical Symposium.

Andy Klausman - for dedicated service as Chairman of the Newsletter Committee and for his assistance during the 12th Annual Technical Symposium.

Mike Laible - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.

• **Ralph Lawton** - for his efforts on the VLSI Technology Conference.

Dr. Marian L. Lewis - for dedicated service as Chairman of the Life Science and Space Processing Technical Committee and for chairing a Session at the 12th Annual Technical Symposium.

Dr. Robert E. Lewis - for his dedicated service as Past-Chairman, serving as Councillor to the Section; and for his invaluable guidance to the Chairman.

Larry Livingston - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.

Louis E. Livingston - for dedicated service as Vice-Chairman, Operations, especially his work on the newsletter and Dinner Program series.

Walter J. Lueke - for dedicated service as Vice-Chairman, Technical; for expanding the reach of the Section's Technical Committee activities; and for the resounding success of the 12th Annual Technical Symposium.

Ava Lunsford - for dedicated service as Programs Chairman, Councillor, and Senior Member Committee Chairman; for helping increase membership of the Section; and for invaluable assistance to the 12th Annual Technical Symposium.

Jalal Mapar - for dedicated service as Chairman of the Mechanics and Control of Flight Technical Committee and for chairing a Session at the 12th Annual Technical Symposium.

Dr. Charles McKay - for support of the Houston Section and his invaluable contribution to the 12th Annual Technical Symposium.

James C. McLane, Jr. - for dedicated service as a Senior Advisor to the Section; for his efforts towards establishing a Sister Section with the Chinese Society of Astronautics; for being a member of the Teller's Committee; and for serving as "unofficial" Section Photographer.

Edward J. Monteiro - for dedicated service as a Councillor of the Section and as Chairman of the Computer and Software Systems TC; for his special assistance to the Awards Chairman; and for chairing a Session at the 12th Annual Technical Symposium.

Debra L. Nienhaus - for dedicated service as Secretary; for her work on the newsletter; and for her assistance during the 12th Annual Technical Symposium.

James Oberg - for dedicated service as a Councillor to the Section and for his "unique" assistance to the International Space Activities Committee.

Don Probe - for dedicated service as Chairman of the Materials, Structures, and Dynamics Technical Committee and for chairing a Session at the 12th Annual Technical Symposium.

- Pat Rawlings** - for support of the Houston Section and his invaluable contribution to the 12th Annual Technical Symposium.
- Charles Ritrivi** - for dedicated service as Chairman of the Ground and Test Simulation Technical Committee and for chairing a Session at the 12th Annual Technical Symposium.
- Don Rhorer** - for his dedicated service as Councillor to the Section; his assistance on the Dinner Program series; and for chairing a session at the 12th Annual Technical Symposium.
- R. Scott Satterwhite** - for dedicated service as Treasurer; for his work on the Young Member Committee; for his assistance during the 12th Annual Technical Symposium; and for serving as judge for the Region IV Student Paper Competition.
- Sonbol Sepahban** - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.
- K. S. Shankar** - for service to the Section by chairing a Session at the 12th Annual Technical Symposium.
- Quin D. Shepperd II** - for dedicated service to the Houston Section as Chairman for Public Affairs.
- Don Smith** - for support of the Houston Section and his invaluable contribution to the 12th Annual Technical Symposium.
- William A. Stewart** - for dedicated service to the Houston Section as Editor-in-Chief of the Section Newsletter.
- John W. Sunkel** - for service to the Houston Section as Chairman for Educational and Professional Development.
- Andre' Sylvester** - for service to the Section through his work with the Space Systems Technical Committee and chairing a Session at the 12th Annual Technical Symposium.
- Andy Sylvester** - for service to the Section by chairing a Session at the 12th Annual Technical Symposium and for his contributions to the Student Affairs Committee.
- Dr. Zafar Taqvi** - for dedicated service as Chairman for Programs and Events and his invaluable assistance to the Chairman.
- Stephanie A. Vickery** - for her dedicated service as a Councillor to the Section.
- James T. Visentine** - for his continuing dedicated service as Membership Chairman, contributing to the future of the Houston Section.
- John Watson** - for support of the Houston Section and his invaluable contribution to the 12th Annual Technical Symposium.
- Richard L. West** - for dedicated service as a Councillor of the Section and for his work as Chairman for Honors and Awards.
- Bret Wingert** - for dedicated service as Chairman of the Young Member Committee and as Region IV Deputy Director for Young Members; for his work on the Scholarship Committee; and for his assistance during the 12th Annual Technical Symposium.
- Loren E. Wood** - for his dedicated service as a Senior Advisor to the Section and for chairing a Session at the 12th Annual Technical Symposium.
- Nancy Wood** - for dedicated service as a Councillor to the Section and for her help in the creation of the "New Horizons '87: Space for a Wider World" program.

**12 Annual Technical Symposium
Best Presentation in Session Awards**

Session 1: Communications Systems I

Shayla E. Davidson

"Advanced Communications Technology Satellite"

Session 2: Computers and Software I

Gary J. Cernosek

"An Approach to Software Requirements Analysis for Object-Based Development"

Session 3: Energy Systems I

J. K. Thomas

"The Fully Passive Space Reactor Concept: A Scoping Study"

Session 4: Ground Test and Simulation

W. C. Rochelle

"Flight Simulation of Flow Through an Orbiter Payload Bay Vent Box"

J. M. Trebes

"Man-Systems Integration Test Bed or Mockups and Trainers at JSC"

Session 5: Material, Structures and Dynamics I

Michael C. Jansen

"The Calculated Effect of Surface Curvature on Blunt AOTV Hypersonic Aerodynamics"

Session 6: Space Systems I

Douglas W. Ming

"Zeolites: Applications In Life Support Systems"

Session 7: Mechanics and Control of Flight

Debra Schreckenghost

"GPS Navigation of a Spacecraft During Low Thrust Maneuvers"

Session 8: Payloads and Experiments

Jeff Dominick

"Two-Phase Pumped Loop Flight Test"

Session 9: International Space Activities/Space Commercialization

Major George C. Nield

"Space Planes: The Next Generation"

Session 10: Communication System II

William T. Jordan

"Voice Recognition in the Space Shuttle"

Session 11: Computers and Software II

D. G. Jensen

"The Space Station Workstation System: A Network of Man-Systems Interfaces"

D. R. Desaulniers

"Computer-Based Presentation of Procedural Information"

Session 12: Energy Systems II

Eva P. Ferris

"Rotary Gimbal Seal Life Test Program"

Session 13: Life Science and Space Processing

Dane Russo

"The Space Station Environmental Health Monitoring Subsystem"

Session 14: Material Structure and Dynamics II

Ruthan Lewis

"Effects of Surface-Type on the Gloved Hand Manipulation of a Space Station Strut/Truss Connector"

Session 15: Space Systems II

Eric Bechler

"TAU: A Design for a Thousand Astronomical Unit Voyage"

Session 16: Mechanics and Control of Flight

Scott Teplitz

"Station Reboost Analysis Program"

Session 17: Management/Space Ethics

Larry Livingston

"Training in Color Enhances Productivity"

Session 18: Material, Structure, and Dynamics III

W. C. Rochelle

"SSME Unburned Hydrogen, Air Entrainment, and Flow Field Analysis for VAFB Hydrogen Disposal System"

Session 19: Artificial Intelligence Developments at IBM Federal Systems Division

Ron Barrett

"CREST: Code Review Expert System Tool"

Associate Fellows

Dr. Rod Bown
Dr. Charles Dalton
John Fabian
Jake Klinar
Richard Kohrs
Louis Livingston
Frank Morgan
Steve Nagel
Malik Putcha
Emyre Robinson
John Schuessler
Nancy Wood

25-Year Members

David Gilbert
James C. McLane, Jr.
Dr. Jerry Modisette
Scott H. Simpkinson
Max A. Turner

40-Year Members

Joseph W. Coddou
Stanley Faber
Lewis R. Fisher
Robert R. Stephens

1987-88 Section Officers

Chairman
Chairman-Elect
Vice-Chairman, Operations
Vice-Chairman, Technical
Secretary
Treasurer

Carl R. Huss
Walter J. Lucke
Don Rhorer
Andre'Sylvester
Karen Johnson
Debra L. Nienhaus

New Councillors

Garland Bauch
Dudley Nelson
Jon Trebes
Jim Snowden