

Agenda

Pasadena Conference Center
Pasadena, California

Wednesday, June 12, 2002



- 6:00 - 8:00 pm Early Check-In
- 6:00 - 8:00 pm Welcome Reception

Thursday, June 13, 2002

- 6:45 - 7:45 am Check-In and Continental Breakfast
- 8:00 - 8:15 am Welcomes:
Steve Scott, National Space Club
Dr. Parker, NASA Management Office
Amanda Beckman, JPL, Section Manager, Acquisition Division
- 8:15 - 9:30 am Morning Presentations
8:15 - 8:30 *Not Business as Usual*, Lt. Gen. (Retired) Eugene Tattini, Deputy Director
8:30 - 9:00 *JPL Strategic Plan*, Firoux Naderi, Director
9:00 - 9:30 *How Industry Complements JPL's Workforce*, John Beckman, Director
- 9:30 - 9:45 am Morning Break and Exhibits
- 9:45 am - 12:00 Directorate Presentations: *Project Opportunities*
Directorate 400: Planetary Flight Projects, Chris Jones, Director
Directorate 300: Engineering & Science, John Beckman, Director
Directorate 600: Solar System Exploration, Fuk Li, Deputy Director
Directorate 700: Astronomy & Physics, Larry Simmons, Director
Directorate 800: Earth Sciences & Technology, Diane Evans, Director
Directorate 900: Interplanetary Network, William Weber, Director
- 12:00 - 1:30 pm Lunch and Keynote Speaker:
Chris Scolese, Deputy Associate Administrator, Office of Space Science, NASA
- 1:30 - 3:30 pm Breakout Sessions: *Face-to-Face Forums with JPL Project Personnel*
Directorate 3X: Engineering & Science
Directorate 6X: Solar System Exploration
Directorate 7X: Astronomy & Physics
Directorate 8X: Earth Sciences & Technology
Directorate 9X: Interplanetary Network
- 3:30 - 4:30 pm Panel Discussion: *"Ways to Engage in Business with JPL"*
Moderator - Lt. Gen. (Retired) Eugene L. Tattini
Subcontracts/Acquisition - Stan Jankowski, Division Manager, Acquisition
SBIR - Bryon Jackson
Commercialization Program - Merle McKenzie
Technology Affiliate - Ken Wolfenbarger
Collaborative Development Technology - Al Pappano
Reimbursables - Bob Cox, Assistant Director for Reimbursables
- 4:30 - 6:00 pm Networking Reception

Tracey Abbott

Bob (H/k) Ibaev

Chris Jones (T/K)

Bob Ibaev

Tracey Abbott

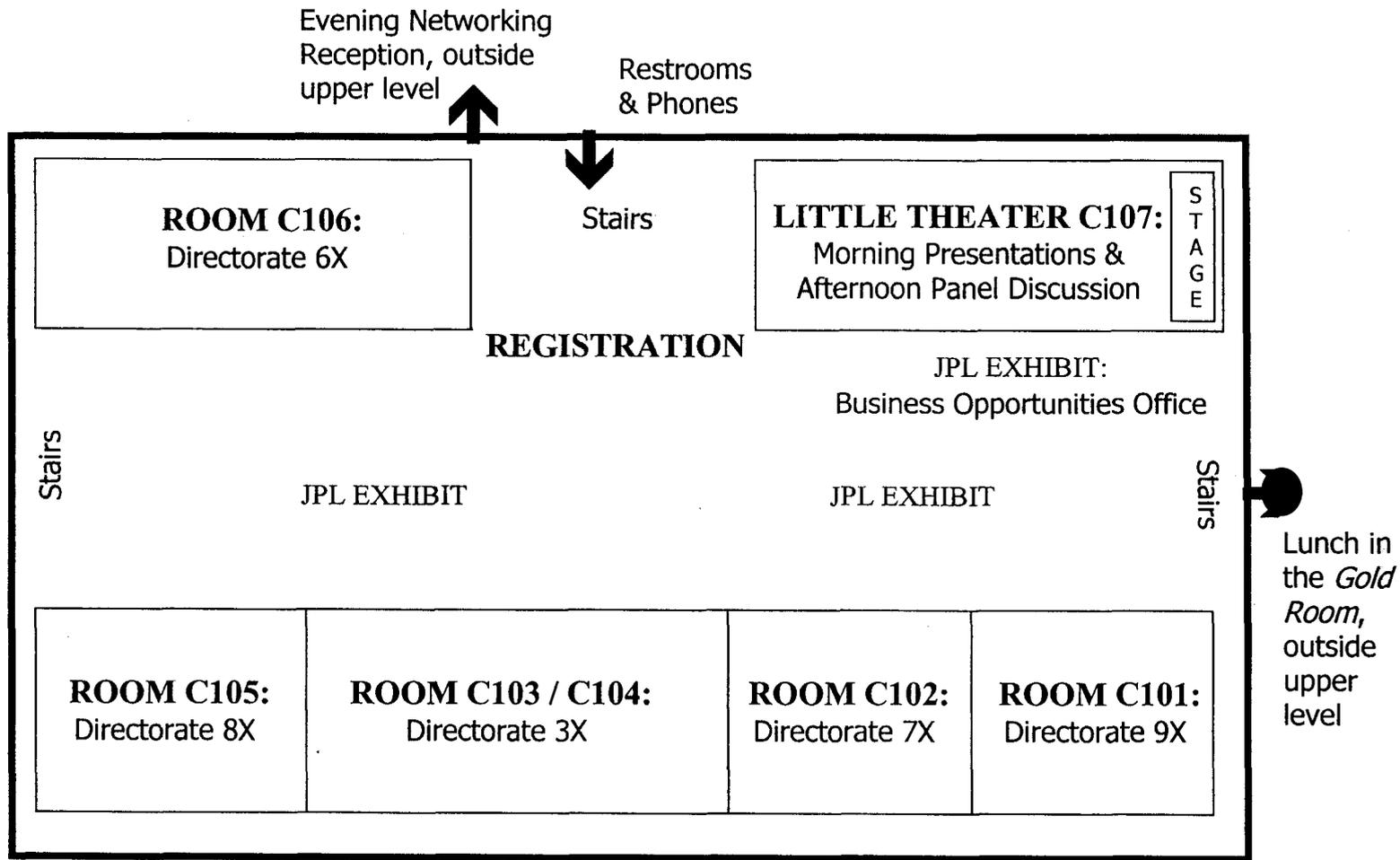
Katie Richards (Katherine)

Judy Pons

Shirley Wolff

self

(T/K)



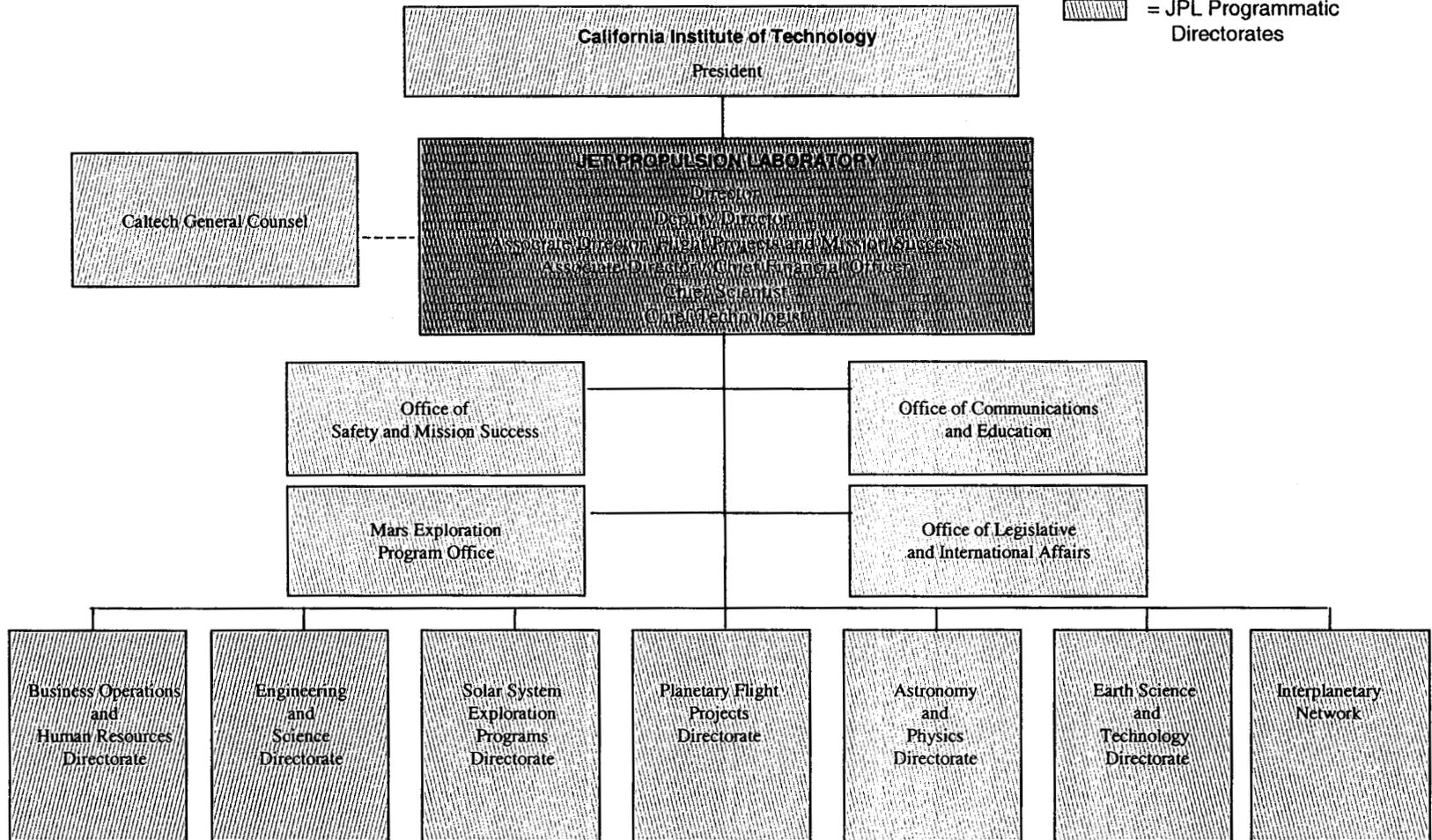
**PASADENA CONFERENCE CENTER
LOWER LEVEL**

Laboratory Organization



Legend

-  = Caltech
-  = JPL Director's Office
-  = JPL Line Directorates
-  = JPL Programmatic Directorates



JPL Programs and Projects

(Part 1 of 2)



Planetary Flight Projects

- 2001 Mars Odyssey
- Mars Exploration Rover 2003
- Mars Express/NASA
- Genesis
- Deep Impact
- Outer Planet/Solar Probe
- ST-6
- Mars NetLander Discovery
- Mars Reconnaissance Orbiter
- US Rosetta Project
- MUSES-C
- Cassini
- Galileo
- Stardust
- Mars Operations
- Deep Space 1
- Mission Management

Solar System Exploration

- Planetary Programs Development
- Mars Return Sample Handling
- Pre-Projects and Advanced Studies
 - 2007 CNES Orbiter
 - 2007 ASI Orbiter
 - Mars Sample Return
 - Mars Outposts
 - Mars Advanced Orbiters
 - Mars Advanced Subsurface Access
 - Outer Planets Advanced Missions
 - Inner Planets Advanced Missions
 - Small Bodies Advanced Missions
- Science Research and Analysis
- Mars Technology
- Life Detection Science and Technology
- Space Exploration Technology Program
 - 2007 Smart Lander Project
 - New Millennium Program

Astronomy and Physics

- SIRTf
- StarLight
- SIM
- GALEX
- Voyager/Ulysses
- US Space VLBI
- Origins and Astrophysics Formulation
 - Origins and Astrophysics R&A
 - Keck Interferometer
 - TPF Preproject
 - LISA Preproject
 - NGST Support
 - Large Telescope Concepts
 - Sun-Earth Connection
 - STEP Project
- Astronomy and Fundamental Physics Experiments
 - Formulation and Preprojects
 - Herschel-Planck
 - LIMPE
 - LCAP
 - Mid-Infrared Instrument
 - CCNT Project
- Astrophysics Science Centers

JPL Programs and Projects

(Part 2 of 2)



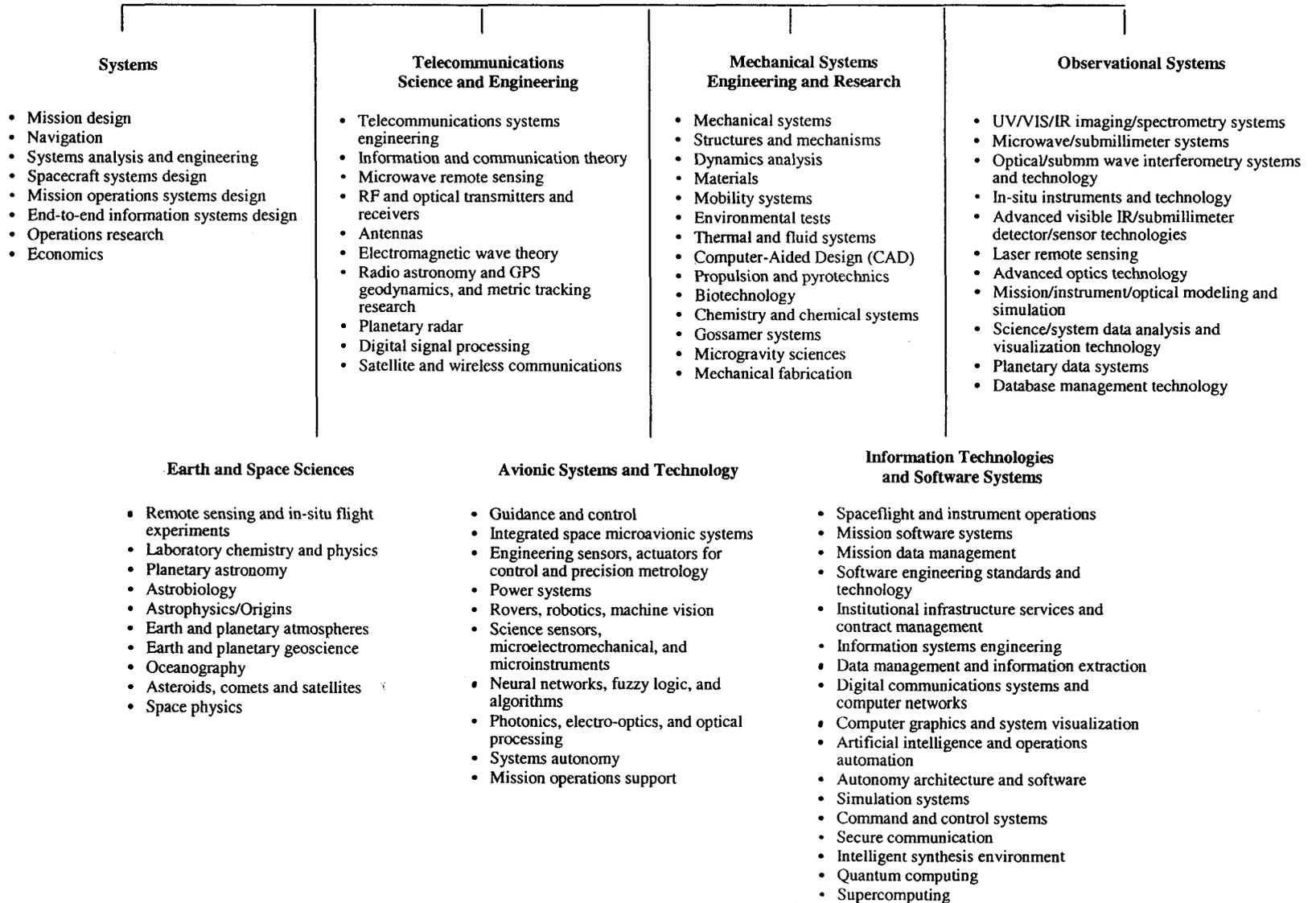
Earth Science and Technology

- Earth Science Program
- New Millennium Program
- Missions
 - TOPEX/Poseidon
 - JASON One
 - Gravity Recovery and Climate Experiment (GRACE)
 - CloudSat
 - Shuttle Radar Topography Mission (SRTM)
 - Active Cavity Radiometer Irradiance Monitor Satellite (ACRIMSAT)
- Instruments
 - Earth Observing System (EOS) Projects
 - Atmospheric Infrared Sounder (AIRS)
 - Multi-Angle Imaging Spectroradiometer (MISR)
 - Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)
 - Tropospheric Emission Spectrometer (TES)
 - Microwave Limb Sounder (MLS)
 - SeaWinds 1a and 1b
 - Active Microwave Interferometry
 - Precision Deployables-Inflatables
 - GPS
 - Quantum Sensors
 - Miniature In-situ Sensor Package
 - Sensor Networks
 - Collaborative Model-based Engineering
 - High-End Computing
 - Materials
 - Power/Storage
 - Knowledge Extraction
 - Propulsion
 - Modeling and Simulation
 - Geological Synthetic Aperture Radar (GeoSAR)
 - Space Technology Research Vehicle (STRV)

Interplanetary Network

- Mars Network Project
 - Mission Data System
 - IPN-ISD Deep Space Network Science
 - IPN-ISD Technology
 - IPN-ISD Systems Engineering and Standards
 - DSMS Plans and Commitments
 - DSMS Operations
 - DSMS Engineering
 - Institutional Computing and Information Services
- IPN-ISD=Interplanetary Network
DSMS=Deep Space Mission System

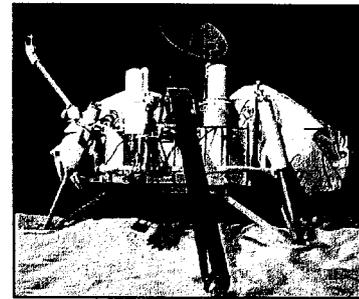
Technical Division Competencies



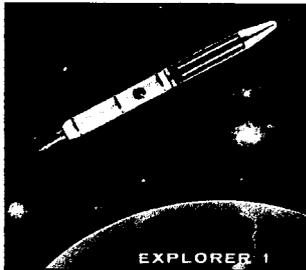
Noteworthy Missions 1950 - 2000



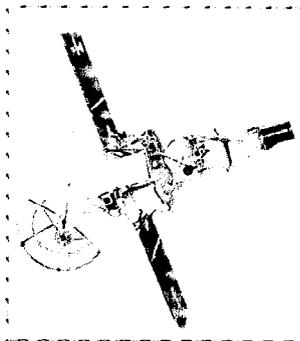
- Explorer 1 - 1958
- Pioneer 4 - 1959
- Mariner 2 - 1962
- Mariner 4 - 1964
- Rangers - 1964
- Surveyors - 1966
- Mariner 5 - 1967
- Mariners 6 and 7 - 1969
- Mariner 9 - 1971
- Mariner 10 - 1973
- Viking Orbiters 1 and 2 - 1975



Viking Orbiter 1975

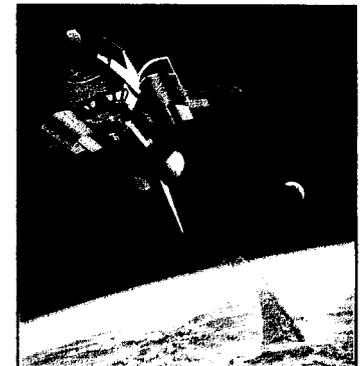


Explorer I 1958

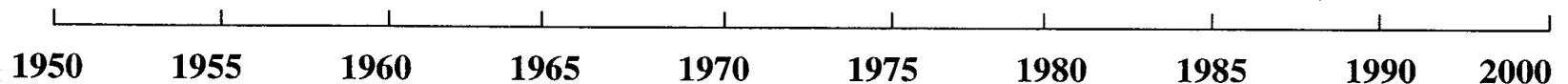


Mariner 2 1962

- SeaSat - 1978
- Shuttle Imaging Radar A - 1981
- Solar Mesosphere Explorer - 1981
- Corps Battle Simulation (CBS) - 1982
- Active Cavity Radiometer Irradiance Monitor (ACRIM-I) - 1983
- Infrared Astronomical Satellite - 1983
- All-Source Analysis System (ASAS) - 1983
- Shuttle Imaging Radar B - 1984
- Solar Thermal Power Systems - 1984
- Super Fluid Helium Experiment - 1984
- Drop Dynamic Module (DDM) - 1985
- Atlas Atmospheric Trace Molecule Spectroscopy - 1985
- Flat-Plate Solar Array - 1986
- JPL Mark IV Interferometer - 1986
- Global Decision Support System (GDSS) - 1989



Shuttle Imaging Radar 1984



Noteworthy Missions 1950 – 2000 (cont.)



- Airborne Synthetic-Aperture Radar (AIRSAR) – 1989

- Airborne Visual/Infrared Imaging Spectrometer (AVIRIS) - 1989

- Magellan - 1989

- Wide-Field/Planetary Camera (WF/PC) - 1990

- Active Cavity Radiometer Irradiance Monitor (ACRIM-II) - 1991

- Microwave Limb Sounder (MLS) - 1991

- Soft X-Ray Telescope (SXT) - 1991

- Mars Observer - 1992

- Drop Physics Module (DPM) - 1992

- Lambda-Point Experiment (LPE) - 1992

- Miniature Seeker Technology Integration (MSTI) - 1992

- Space Imaging Radar C/X Synthetic Aperture Radar (SIR-C/X-SAR) - 1994

- NASA Scatterometer (NSCAT) - 1996

- Brilliant Eyes Ten-Kelvin Sorption Cooler Experiment (BETSCE) - 1996

- Inflatable Antenna Experiment - 1996

- Mars Pathfinder - 1996

- Confined Helium Experiment (CHeX) - 1997

- Mars Climate Orbiter – 1998

- Deep Space 1 – 1998

- Mars Polar Lander - 1999

- Wide Field Infrared Explorer (WIRE) - 1999

- Multi-angle Imaging SpectroRadiometer (MISR) - 1999

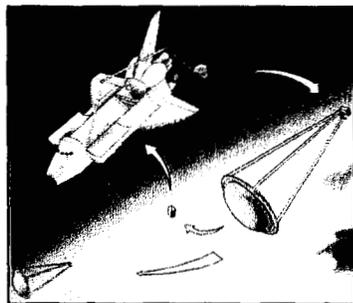
- Shuttle Radar Topography Mission (SRTM) - 2000



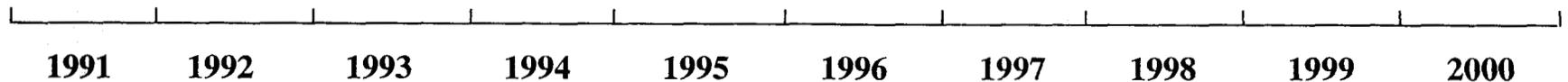
MISR 1999



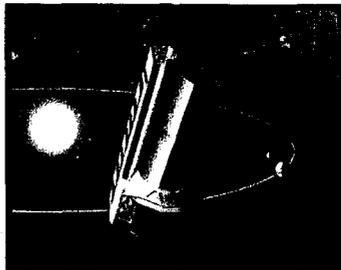
Magellan 1989



Inflatable Antenna Experiment 1996



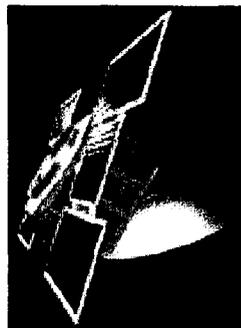
Future Significant Events



SIRTTF Fall 2002

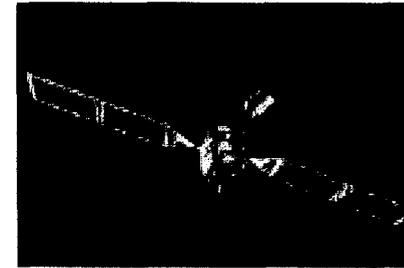


Mars Exploration Rover 2003

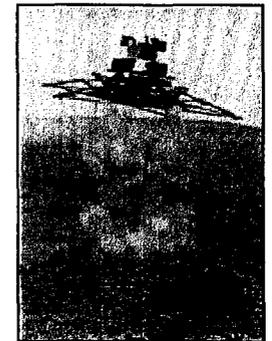


CloudSat 2004

- GRACE launch 2002
- SeaWinds launch 2002
- GALEX launch 2002
- SIRTTF launch 2003
- Rosetta Instruments launch 2003
- Microwave Limb Sounder launch 2003
- Thermal Emission Spectrometer launch 2003
- Mars Exploration Rover launches 2003
- Deep Impact Launch 2004
- Mars Exploration Rover landings 2004
- Stardust encounter 2004
- CloudSat launch 2004



Mars Reconnaissance Orbiter 2005

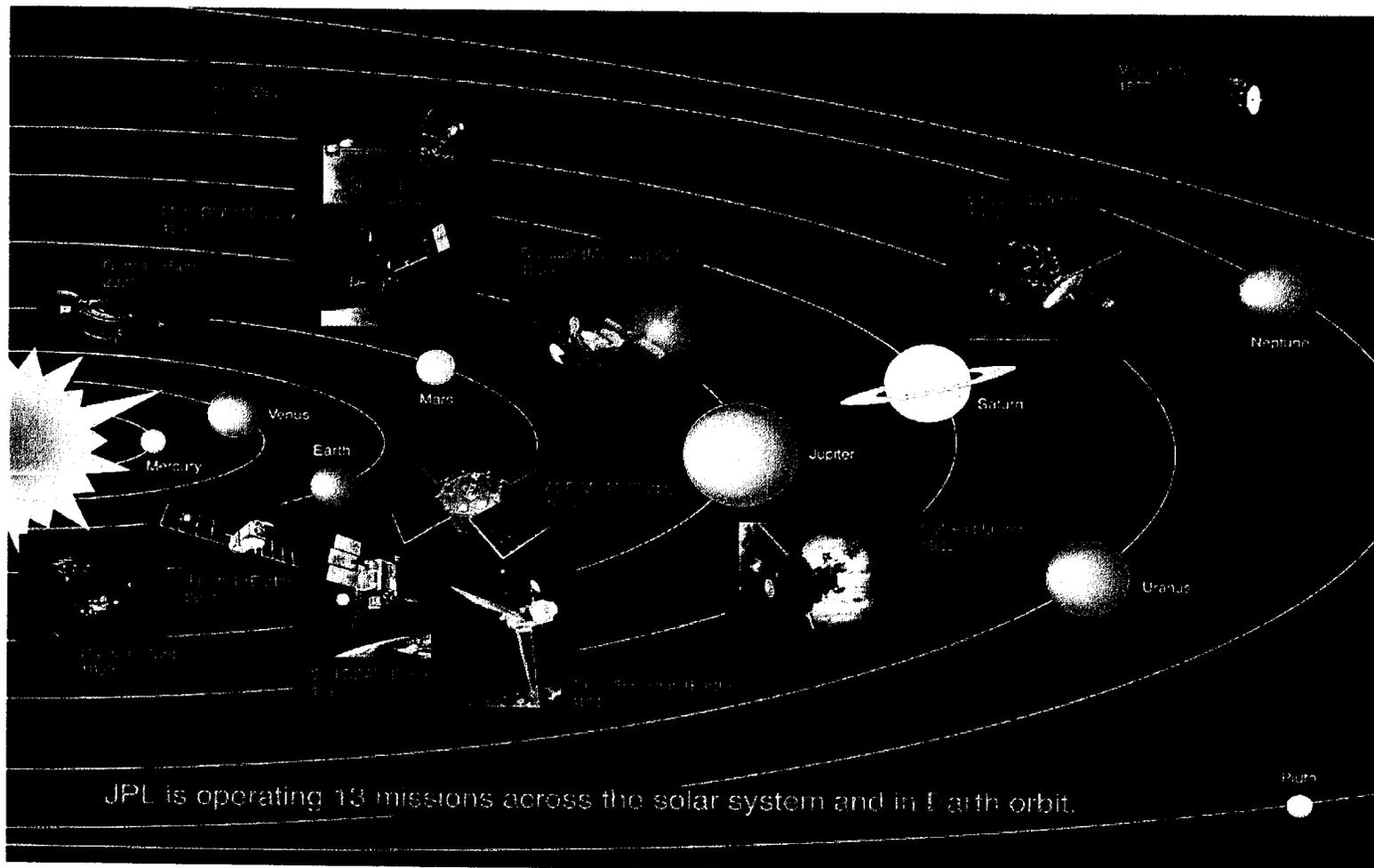


Mars Smart Lander 2009

- Cassini Saturn Orbit Insertion/Huygens Titan Entry 2004
- Genesis sample return 2004
- Deep Impact Encounter 2005
- Mars Reconnaissance Orbiter launch 2005
- StarLight launch 2006
- Stardust sample return 2006
- Mars Reconnaissance Orbiter MOI 2006
- Herschel launch 2007
- Planck launch 2007
- Mars Smart Lander launch 2009



Operating Missions



BIOGRAPHY



John Beckman
Director
Engineering and Science Directorate



EMPLOYMENT AT JPL:

2001	Director for Engineering & Science Directorate (ESD)
2001	Deputy Director, Engineering & Science Directorate (ESD)
1998-2001	Manager, Systems Division (ESD)
1996-98	Manager, Solar System and Exploration Program Office (SESPD)
1994-96	Deputy Manager, Planetary & Space Physics Program Office (SESPD)
1992-94	Manager, Planetary & Space Physics Program Office (OSSI)
1988-92	Manager, Advanced Programs Office (FPO)
1982-88	Manager, Mission Design Section (Section 312)
1980-82	Manager, Strategic Planning Office (TSPD)
1979-80	Manager, Planetary Programs Office (TSPD)
1977-79	Manager, Galileo Mission Design (Section 312)
1977	Supervisor, Advanced Projects Group (Section 312)
1971-76	MTS

PROFESSIONAL & WORK EXPERIENCE PRIOR TO JPL:

7 Years at Pratt and Whitney, Brown Engineering and TRW

EDUCATION – INSTITUTIONS:

1970	UCLA, Management (No Degree)
1966-67	University of Alabama, Astrodynamics course work (No Degree)
1964	University of Florida, B.S. (Physics and Math)

PROFESSIONAL ORGANIZATIONS:

AAS (1997 – Present) Board of Directors

AWARDS:

1975 NASA Exceptional Service Medal

BIOGRAPHY



Diane L. Evans
Director
Earth Science and Technology



EDUCATION AND DEGREES:

Ph.D., Geological Sciences, University of Washington, Seattle, WA, 1981
M.S., Geological Sciences, University of Washington, Seattle, WA, 1978
A.B., Geology, Occidental College, Los Angeles, CA, 1976

POSITIONS:

1975-1977: Hydrologic Field Assistant, U.S. Geological Survey, Tacoma, WA
1977-1981: Research Assistant, University of Washington
1981-1986: Member of Technical Staff, Radar Sciences Group, JPL
1986-1989: Supervisor, Radar Sciences Group, JPL
1989-1998: Project Scientist, Space borne Imaging Radar Projects
1992-1996: Deputy Manager, JPL Science and Information Systems Office
1996-2001: Chief Scientist, JPL Earth Science Programs
2001: Director for Earth Science and Technology, JPL

RECENT AWARDS:

Institution of Electrical Engineers Langham Thompson Premium for, "Applications of Imaging Radar Data in Earth Science Investigations, 2001"
NASA Group Achievement Awards for the Shuttle Radar Topography Mission Project Management and Science Teams, 2000
Current Committee Memberships
Selected, NASA/Italian Space Agency (ASI), NASA/European Union (EU),
NASA/Canadian Space Agency (CSA)-Chair, Working Groups
Selected, NASA Solid Earth Science Working Group

BIOGRAPHY



Fuk Kwok Li
Deputy Director
Solar System Exploration Programs Directorate



EMPLOYMENT AT JPL:

May,2001 to present Deputy Director of Solar System Exploration Directorate
Oct 1997-May2001 Manager, New Millennium Program
May 1995-Oct 1997 Manager, Earth Science Program Office in SESPD
Oct 1989-May 1995 Manager, Radar Science and Engineering Section
Aug 1988 – Oct 1989 Deputy Manager, Radar Science and Engineering Section
Jan 1983 – Aug 1988 Group Supervisor, Radar Science and Engineering Section
Aug 1979 –Jan 1983 Technical Staff, Radar Science and Engineering Section

PROFESSIONAL & WORK EXPERIENCE PRIOR TO JPL:

EDUCATION – INSTITUTIONS:

1979	Ph.D.	Physics	Massachusetts Institute of Technology
1975	B. S.	Physics	Massachusetts Institute of Technology

PROFESSIONAL ORGANIZATIONS:

IEEE

AWARDS:

IEEE 1990 Radar System Panel Award
IEEE fellow 1996

BIOGRAPHY



Christopher P. Jones
Director
Planetary Flight Projects Directorate



EMPLOYMENT AT JPL:

2001 – Present Director, Planetary Flight Projects Directorate
2000 – 2001 Deputy Director, Space Science Flight Projects Directorate
1999 – 2000 Program Manager, Mars Surveyor and Deep Space Systems
1997 – 1999 Project Manager, Space Interferometry Mission
1991 – 1997 Spacecraft Development Manager, Cassini Program
1988 – 1990 Manager, Guidance and Control Section
1985 – 1988 Manager, Spacecraft Systems Engineering Section
1983 – 1985 Mission Manager, Mars Observer
1982 – 1983 Deputy Manager, Spacecraft Systems Engineering Section
1981 – 1982 Galileo Spacecraft System Engineer
1978 – 1981 Voyager Spacecraft Team Chief / Systems Engineering Group Supervisor
1977 – 1978 IRAS Science Data Analysis System Engineer
1975 – 1977 Voyager Flight Software System Engineer
1973 – 1975 Voyager Fault Protection Engineer / Software Group Leader
1972 – 1973 Advanced Projects Study Leader
1969 – 1972 Mariner Mars 1971 Staff Systems Engineer

EDUCATION – INSTITUTIONS:

1969 – MS – Aerospace Engineering, University of Southern California
1968 – BS – Aerospace Engineering, University of Southern California

PROFESSIONAL ORGANIZATIONS:

2001 – Present American Astronautical Society

AWARDS:

NASA Outstanding Leadership Medal for Cassini – 1999
NASA Exceptional Service Medal for Voyager – 1981
Numerous NASA Group Achievement Awards and Citations

BIOGRAPHY



Christopher P. Jones
Director
Planetary Flight Projects Directorate



Continued

ARTICLES & BOOKS, ETC:

C. P. Jones, 'Cassini Program Update,' AIAA Space Programs and Technologies Conference and Exhibit, AIAA-93-4745, September 1993

C. P. Jones, 'Engineering Challenges of In-Flight Spacecraft – Voyager: A Case Study,' Journal of the British Interplanetary Society, Volume 38, pp. 465-471, October 1985

M. R. Landano and C. P. Jones, 'The Galileo Spacecraft System Design,' AIAA 21st Aerospace Sciences Meeting, AIAA-83-0097, January 1983

C. P. Jones and T. H. Risa, 'The Voyager Spacecraft System Design,' AIAA 1981 Annual Meeting and Technical Display, AIAA-81-0911, May 1981

C. P. Jones, 'Automatic Fault Protection in the Voyager Spacecraft,' AIAA Meeting, AIAA-79-1919, 1979

BIOGRAPHY



Firouz Michael Naderi
Director
Solar Systems Exploration Programs Directorate



Firouz Naderi was appointed Manager of the Mars Exploration Program Office in April 2000. He is also the Director for Solar System Exploration Programs Directorate (as of May 2001).

Prior to that he spent four years as the manager of the Origins Program—NASA's ambitious technology-rich plan to search for evidence of life outside the Solar System.

Dr. Naderi's formal education is in electrical engineering; he received his Ph.D. from University of Southern California (USC) writing his dissertation in the area of digital image processing.

He joined JPL in September of 1979. His early work at JPL was on system design of large satellite-based systems for nationwide cellular phone coverage. Technical and economical feasibility studies and early technology development were some of the pioneering work that contributed to the birth of the commercial mobile satellite industry.

Dr. Naderi went to NASA Headquarters for two years in the mid-80s to serve as the program manager for the Advanced Communications Technology Satellite (ACTS) the front runner of today's multi-beam space-switching commercial satellites. Upon his return to JPL he became the project manager for the NASA Scatterometer (NSCAT) Project aimed at space-based measurement of winds over the global oceans with application to weather forecasting.

Dr. Naderi's other assignments at JPL has included program manager for space science instruments, proposal manager for a discovery project (Genesis), and NASA taskforce study lead for smaller satellites as alternate to the large platform Earth Observing System (EOS).

Dr. Naderi was a cofounder of a startup company in the mid-'80s and consultant to other startup companies in the same period. His 21 years at JPL spans systems engineering, technology development, and program and project management for communications, Earth remote sensing, and deep space systems. He is the recipient of NASA's Outstanding Leadership Medal and a member of the Technology Hall of Fame.

BIOGRAPHY



Larry L. Simmons
Director
Astronomy and Physics Directorate



Larry L. Simmons has been the director for the Astronomy and Physics Directorate since it was formed in May 2001.

Previous to this he was deputy director of Space and Earth Science Programs beginning in April of 2000. He received his Bachelor of Science degree in physics from the University of California, Los Angeles in 1967. He has been at JPL since 1960, except for four years in the late 60's when he was on the staff of the Institute of Geophysics and Planetary Physics at UCLA. He contributed to the development of fields and particles instruments early in his career, and after returning to JPL in 1969 lead several flight instrument

activities including the Mariner 9 television cameras, and an early role in the Voyager cameras. These were followed by several shuttle based instrument developments for atmospheric and fundamental physics measurements. In the early 1990's he lead the JPL team that delivered the Wide Field/Planetary Camera 11 that corrected the vision of the Hubble Space Telescope. Following that development, he assumed the project management responsibility for the Space Infrared Telescope Facility (SIRTF).

Mr. Simmons received NASA's Exceptional Service Medal in 1985 for his leadership of the Atmospheric Trace Molecule Spectroscopy (ATMOS) Experiment following its successful flight on Spacelab 3, and NASA's Outstanding Leadership Medal in 1994 for leading the Wide Field/Planetary Camera 11 Project.

The directorate that he leads requires a strong commitment from NASA for the projects under development. By their nature, astronomy and fundamental physics missions require large and/or sophisticated systems to extend capabilities beyond what is attainable on earth. These systems support a broad community of researchers, and require ongoing NASA support.

BIOGRAPHY



Eugene L. Tattini
Deputy Director
Jet Propulsion Laboratory



Eugene L. "Gene" Tattini was appointed Deputy Director of JPL in August 2001.

Prior to his retirement from the Air Force and his appointment as JPL Deputy Director, Lt. Gen. Tattini was commander, Space and Missile Systems Center, Los Angeles Air Force Base, California. He was responsible for managing the research, design, development, and acquisition of space launch, command and control, and satellite systems. With more than 3,200 employees nationwide and an annual total obligation authority in excess of \$5 billion, SMC is the nation's center of excellence for military space acquisition.

The general was the Air Force's designated acquisition commander for the Air Force Satellite Control Network, the Space Lift Ranges, the Defense Meteorological Satellite Program, the Space Based Laser Program, and the Atlas, Delta, Titan and Inertial Upper Stage families of launch vehicles that provide assured access to space.

The general was born in Madison, Wisconsin, and graduated from Hampton (Virginia) High School in 1961. A distinguished graduate of the Reserve Officer Training Corps program at the University of Illinois, he entered the Air Force as a second lieutenant in 1965. In his 33-year Air Force career, he served in various space, acquisitions, and logistics assignments.

EDUCATION

1965 Bachelor of Science degree in industrial management, University of Illinois
1971 Squadron Officer School, Maxwell Air Force Base, Alabama
1977 Air Command and Staff College, Maxwell Air Force Base, Alabama
1978 Master of business administration degree, Oklahoma City University
1979 Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, D.C.
1985 Air War College, Maxwell Air Force Base, Alabama
1990 Executive Development Program, Cornell University, Ithaca, NY
1995 Program for Senior Managers in Government, Harvard University, Cambridge, MA

MAJOR AWARDS AND DECORATIONS

Distinguished Service Medal
Legion of Merit with oak leaf cluster
Meritorious Service Medal with three oak leaf clusters
Air Force Commendation Medal
Humanitarian Service Medal

BIOGRAPHY



William Joseph Weber, III
Director
Interplanetary Network and
Information Systems Directorate



EMPLOYMENT AT JPL:

Director-for, Interplanetary Network and Information Systems Directorate	2001-present
Director-for, Engineering and Science Directorate	1996-2001
Division Manager, Telecommunications Science and Engineering Division	1992-1996
Program Manager, NASA Technology Program Office	1986-1992
Section Manager, Communications Systems Research Section	1982-1986
Assistant Program Manager, Satellite Communications Program	1980-1986
Group Supervisor, Telecommunications Systems Research Group	1979-1980
Engineer, telecommunications systems research and development	1967-1979

PROFESSIONAL & WORK EXPERIENCE PRIOR TO JPL:

Member, Technical Staff, Bell Telephone Laboratories (1965)
Graduate Teaching Assistant, Cornell University (1965-67)

EDUCATION – INSTITUTIONS:

1974 – PhD – Electrical Engineering, University of Southern California
(Communication Theory)
1966 – MEE – Electrical Engineering, Cornell University (Communication Theory)
1965 – BS – Electrical Engineering, Cornell University

PROFESSIONAL ORGANIZATIONS:

IEEE, Senior Member
AIAA, Senior Member

AWARDS:

NASA Exceptional Service Award (about 1990)
Best Paper, National Telecommunications Conference (about 1977)
Numerous NASA group achievement awards

ARTICLES & BOOKS, ETC:

Nothing recent! My research papers are more than 20 years old.

BIOGRAPHY

Christopher Scolese
Deputy Associate Administrator
Office of Space Science, NASA



Mr. Scolese is the Deputy Associate Administrator in the Office of Space Science at NASA Headquarters. In this position, he is responsible for the management, direction, and oversight of NASA's space science flight program, mission studies, technology development, and overall contract management of the Jet Propulsion Laboratory.

Mr. Scolese previously served as the EOS Program Manager and the Deputy Director of Flight Programs and Projects for Earth Science at the Goddard Space Flight Center. In this position he was responsible for the operation and development of all Earth Science missions assigned to the Goddard Space Flight Center. He has also served at Goddard as the EOS Terra Project Manager responsible for the development of the 5 EOS-AM instruments, the CERES instrument for TRMM, the EOS-AM spacecraft, the interface with the Earth Science Data and Information System, and the integration and launch of these elements. Mr. Scolese was the EOS Systems Manager responsible for the EOS system architecture and the integration of all facets of the project. During his tenure at GSFC, which began in 1987, he chaired the EOS Blue Team that rescoped the EOS Program; he supported the EOS investigators in the development of the EOS payloads in the restructured EOS; and he has been responsible for the adoption of common data system architecture on EOS and some other earth orbiting spacecraft.

Prior to his 1987 appointment at GSFC, Mr. Scolese's experience included experience in industry and government. While a senior analyst at the General Research Corporation of McLean, Virginia he participated in several SDIO programs. He was selected by ADM Rickover to serve at Naval Reactors where he was associated with the development of instrumentation, instrument systems, and multi-processor systems for the U.S. Navy and the DOE while working for NAVSEA.

Mr. Scolese served in the U.S. Navy from 1978 to 1983. He graduated from the State University of New York at Buffalo with a BS in Electrical Engineering and a MS in Electrical Engineering and Computer Science from the George Washington University.

BIOGRAPHY

Christopher Scolese
Deputy Associate Administrator
Office of Space Science, NASA



Continued

Mr. Scolese is the recipient of several honors including the Presidential Rank Award of Meritorious Executive, GSFC Outstanding Leadership, two NASA Outstanding Leadership Medals, the AIAA National Capital Section Young Engineer/Scientist of the Year award. He was recognized as one of the outstanding young men in America in 1986, was a member of college honor societies including Eta Kappa Nu and Tau Beta Pi, and was recipient of the 1973 Calspan Aeronautics award. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics and a member of the Institute of Electrical and Electronics Engineers. He has served as a member of the AIAA Astrodynamics Technical Committee and chaired the National Capitol Section Guidance Navigation and Control Technical Committee.