



## Editor-in-Chief

**DONALD C. FRASER** is Vice President for Technical Operations at The Charles Stark Draper Laboratory and as such is responsible for all programmatic and technical activities of the Laboratory. He holds S.B. and S.M. degrees in Aeronautics and Astronautics and an Sc.D. in Instrumentation, all from MIT, and is a Lecturer in the MIT Department of Aeronautics and Astronautics. He has been involved in the design and fabrication of control systems for a wide variety of applications from the Apollo spacecraft to fly-by-wire aircraft to power reactors. Prior to assuming his present editorship, Dr. Fraser served as Editor-in-Chief of the *Journal of Spacecraft and Rockets*. He is a Fellow of the AIAA and a member of the National Academy of Engineering.

## Associate Editors



**JOSEPH A. BOSSI**, Principal Engineer in Controls Technology, Boeing Aerospace Company, received a B.S. degree in Physics from Seattle University and an M.A. degree from the University of California, Berkeley. Subsequently, he was employed for ten years at the Boeing Aerospace Company where he was involved with the analysis and design of inertial guidance systems and spacecraft attitude control systems. He received M.S. and Ph.D. degrees in Aeronautics and Astronautics from Stanford University, and joined the faculty of the Department of Aeronautics and Astronautics at the University of Washington in Seattle, where he taught for seven years. Since returning to Boeing, he has been involved in research on flight control systems for aerospace vehicles. He has previously served on the Guidance, Navigation, and Control Technical Committee and is an Associate Fellow of the AIAA.



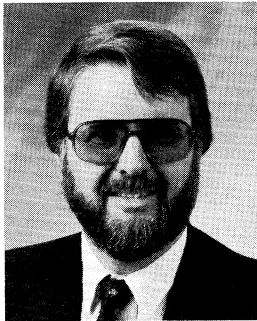
**ANTHONY J. CALISE**, Professor in the School of Aerospace Engineering, Georgia Institute of Technology, Atlanta, was previously a member of the faculty in Mechanical Engineering at Drexel University, Philadelphia. He received a B.S. degree in Electrical Engineering from Villanova University, and M.S. and Ph.D. degrees from the Moore School of Electrical Engineering, University of Pennsylvania. His ten years of industrial experience include the Raytheon Missile Systems Division and Dynamics Research Corporation, where he was involved with analysis and design of inertial navigation systems, optimal missile guidance, and aircraft flight path optimization. He is the author of over 80 technical reports and papers, and is the recipient of the USAF Systems Command Technical Achievement Award. His current interests include optimal aircraft and spacecraft guidance methods, aircraft flight control, and active control of flexible structures. He is currently an associate editor for the IEEE Control Systems Magazine, Senior Member of the IEEE, and Member of the AIAA.



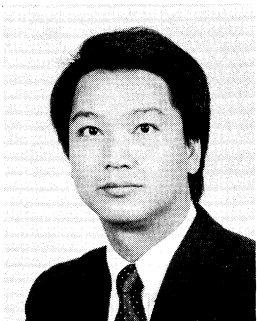
**JOHN R. JUNKINS** is a Professor of Aerospace Engineering at Texas A&M University. He was previously a member of the faculty at Virginia Polytechnic Institute and the University of Virginia. His industrial experience includes McDonnell Douglas Astronautics Company and NASA/MSFC, as well as ongoing consulting with a dozen agencies over the past decade. His Ph.D. is from UCLA. He has taught 18 short courses since 1967 and is the author of more than 100 publications, including two books; the most recent on optimal spacecraft maneuvers. He is a Fellow of AAS and an Associate Fellow of AIAA. He has been active in national/international AIAA meetings and has played an active editorial/review role in support of several journals during the past decade. His main research interests are analytical/numerical methods for dynamics, control, and estimation.



**STEPHEN S. OSDER** is currently Chief Scientist, Flight Controls and Avionics for McDonnell Douglas Helicopter Company. He was previously Director of Research and Development at Sperry Flight Systems. He received his B.E.E. degree at the City College of New York and an M.S.E.E. degree from Johns Hopkins University. His background is in the design and development of automatic flight control systems, digital avionics systems, radio and inertial sensors, and computers. The vehicle applications include bombers, transports, VTOL and STOL vehicles, helicopters, fighters, missiles, re-entry vehicles, and spacecraft. His contributions have been in the technologies and applications of fly-by-wire, redundancy management, guidance and trajectory control, adaptive control, digital flight control, fault tolerant computers, automatic landing, navigation system design, and avionic system architectures. He holds 14 patents in these areas and has written many papers on these subjects. He is an Associate Fellow of the AIAA and a member of both the IEEE and the American Helicopter Society.



**DAVID K. SCHMIDT**, Professor of Aeronautics and Astronautics at Purdue University, received his B.S.A.E. degree from Purdue, his M.S.A.E. from the University of Southern California, and his Ph.D. from Purdue. Before joining the faculty at Purdue in 1974, Dr. Schmidt was a member of the technical staff of first the McDonnell Douglas Corporation and then the Stanford Research Institute. He has also held visiting positions with NASA's Langley Research Center and the USAF's Flight Dynamics Laboratory while on leave from Purdue. His research interests include flight mechanics, guidance, and control, as well as the modeling and control of man-machine systems, all areas in which he has widely published and consulted. He has served on AIAA's Technical Committee on Guidance, Navigation and Control for several years, and is an Associate Fellow of the Institute.



**BONG WIE**, Assistant Professor of Aerospace Engineering at the University of Texas at Austin, received his B.S. degree in Aerospace Engineering from Seoul National University of Korea and M.S. and Ph.D. degrees in Aeronautics and Astronautics from Stanford University. Previously Dr. Wie was a dynamics and control analyst with the Ford Aerospace and Communications Corporation. He has been involved in the design, analysis, and digital simulation of attitude control systems for various spacecraft, including the ARABSAT. His current research activities include developing practical control system design approaches for the Space Station and large flexible space structures.



**LINCOLN J. WOOD** is Technical Group Supervisor of the Future Mission Studies Group at the Jet Propulsion Laboratory, California Institute of Technology. He received a B.S. degree in Engineering Physics from Cornell University and M.S. and Ph.D. degrees in Aeronautics and Astronautics from Stanford University. He was previously Staff Engineer with the Hughes Aircraft Company and was Bechtel Instructor in Engineering at the California Institute of Technology. He has also been a Visiting Professor of Systems Engineering at Caltech on a part-time basis. He is the author of 50 publications in the areas of space navigation, trajectory optimization, and control theory. He was an Associate Editor of *The Journal of the Astronautical Sciences*, and is an Associate Fellow of the AIAA and a Senior Member of the American Astronautical Society and the IEEE.