Bill Bass

Bill has been with Hughes for over 20 years since receiving a B.A. in Math at U.C. Berkeley. He's spent a lot of that time doing systems engineering on large information systems. Bill was the lead engineer on the ADC program during the design phase, and was the chief modeller for the ECS team during Phase B, the proposal, and the ECS contract.

Marshall A. Caplan

Mr. Caplan has over 26 years of extensive management and technical experience in data acquisition and information processing systems. During his career he has both contributed as an engineering participant as well as managed all aspects of the full development life cycle from concept definition through maintenance and operations. He has an established success record in the management of large and complex systems most recently as the program manager for a $500M development program for the Defense Mapping Agency.

Dr. Robert Curran

As ECS Project Scientist and Chief Scientist with Hughes Applied Information Systems, Inc., Dr. Curran has the principal responsibility for science aspects of the HAIS contract to develop the core system in NASA's Earth Observing System Data and Information System. He leads a team of approximately 15 scientist who comprise the ECS Science Office. His education includes a BS degree in Physics from Creighton University, Omaha, Nebraska, and both the MS and Ph.D. degrees, also in Physics (specializing in Atmospheric Physics), from the University of Arizona. He worked 18 years as a NASA employee. While at the Goddard Space Flight Center he worked as a senior research scientist in satellite studies of the earth's climate. Also at Goddard he served as Project Scientist for the NASA Earth Radiation Budget Experiment. Subsequently he was program science manager at NASA Headquarters responsible for the Global Scale Atmospheric Processes Research Program. At NASA Headquarters Dr. Curran was involved with the Mission to Planet Earth and the Earth Observing System since their inception

Dr. Mark Elkington

Research on the use of parameters derived from earth observation sensors in models of the crop-atmosphere boundary layer was followed by more than 7 years involvement on the science processing for the European ERS-1 program, initially for Mullard Space Science Laboratory and later with Earth Observation Sciences Ltd. Since then Mark has played a leading role in the data management

and interoperability projects for the European Space Agency and more recently the ENVISAT project. Mark is a member of the Earth Observation Programme Board in the UK.

Judy Feldman

Judy Feldman is a currently the manager of the system engineering site liaisons at each of the DAACs. She is also leading the Version 0 Analysis task. The purpose of this task is to ensure that Version 1 and beyond take full advantage of the lessons learned from Version 0. Ms. Feldman has been an active participant of the Version 0 team for six years. She has spent considerable time working at the DAAC sites in understanding their current operations. Her previous work experience is primarily in the field of information engineering.

Joseph A. Guzek

Over 18 years of experience with Hughes Aircraft in the areas of system engineering, software engineering and development prepared Joe for his assignment as the ECS Chief System Engineer. His previous 3 years of experience as a system engineer on EOSDIS Phase B and ECS proposal prepared JOe for this role. Joe served in a lead system engineering role directing the architecture development team. Previous experience in the areas of information management, and mission planning, scheduling and operations are assets he brings to bear on the ECS project.

Dr. Richard Meyer

Dr. Meyer was Chief System Architect for Xerox system integration division, and now works for D&M Associates, which specializes in system architecture consulting. In the last few years, Dr. Meyer has developed the architectures for a number of large scale distributed information systems for Government Agencies, Military Services, and the private sector. Before becoming a system architect, Dr Meyer worked for many years in database product development, research, and implementation with Software AG of Germany and Computer Corporation of America, and with real time computer system networks for Hewlett Packard. Dr. Meyer holds a Ph.D. in theoretical physics from the University of Vienna, Austria.

Bruce Moxon

Mr. Moxon is a System Engineer in the Science Data Processing Segment (SDPS), where he had been managing the PGS activities. More recently, he has been involved in working closely with both the Science Office and the SDPS architecture team to help develop an understanding of the Science community's operations and needs.

Prior to joining HAIS, Mr. Moxon was the Principal Engineer for Teknekron Pharmaceutical Systems, where he was responsible for designing and developing distributed information applications based on document imaging and database technologies.

Mr. Moxon also has extensive experience in the application of high performance computing to a wide range of scientific and engineering applications, including the use of massively parallel computers for ocean circulation models.

Jenanne Murphy

Ms. Murphy has over 16 years of experience in the design and implementation of major systems (hardware and software) that have included several components common to ECS. She has in-depth experience in heterogeneous systems environments, particularly with communications and networking technology and COTS products. Her most recent assignment prior to joining the ECS project included responsibility for technical, cost and schedule performance on the Hughes DMA Data Services Segment Program. This included risk mitigation, dynamic cost projection, chairing the change control board, and managing baseline deliveries.

George Percivall

George S. Percivall received a BS degree in Engineering Physics and a MS Degree in Electrical Engineering with Control Systems as the field of specialization. Both degrees were awarded by the University of Illinois-Urbana. He has performed systems engineering on HVAC systems for the US Army Corps of Engineers; attitude and orbital control systems engineering on satellites for Hughes Aircraft; and commercial systems engineering methodology development for General Motors. He is a Hughes trainer for the Hatley-Pirbhai Process for System Development. He is a member of the National Council on Systems Engineering (NCOSE) and recently submitted a paper entitled “System Architecture for Evolutionary System Development” for the annual NCOSE conference. Presently he is a Senior System Engineer with Hughes Applied Information Systems.

Pitt Thome

Vice-President and Director for Strategic, Technology and Business Program Development, Pitt has over 25 years' experience with earth-observing and other scientific space systems with NASA and private companies. As Director of Earth Observations for NASA, he managed the Landsat and weather satellite programs, including the development of uses for remotely sensed data in addressing natural resource management and environmental problems. As President and CEO of a start-up company, he also had extensive experience in market and product assessments, and new business strategic planning. He holds a BS in Engineering from the University of Notre Dame, an MS in Engineering from MIT and an MBA from Xavier University, and attended the Harvard Business Advanced Management Program.

Carl Wheatley

Carl Wheatley is the chief engineer for the CSMS segment of the ECS project. He works directly for the CSMS segment manager and is responsible for the coordination of all technical activities related to communications and systems management.

Carl has 14 years experience in the telecommunications, data communications, computer and software industries. He played a key role with Hughes in early transition planning to the GOSIP suites, and has developed numerous local and wide area network systems. Carl has contributed greatly in exploring the suitability of NIIT EDS to the ECS project.

In addition to his engineering contribution to the company, Carl has served as a Marketing/Business Development Manager for Hughes. This experience has given Carl exposure to business issues that will greatly benefit the development of the SMC. Carl holds an MBA from the University of Colorado (Beta Gamma Sigma), and a B.S.E.E. from the University of Maryland.

Dr. Ron Williamson

Ron Williamson received his Ph.D. in Computer Science from USC in 1984 and his M.A. in Applied Mathematics from UCLA in 1976. He has worked for the Hughes Aircraft Co. for fifteen years. His last assignment before his current ECS role was as Research Project Manger for object oriented systems research and development at the Hughes Research Laboratories. His primary areas of expertise are in image processing and image understanding algorithms for electro-optical imaging systems, object oriented modeling of image based information systems, graphical user interfaces for integrated information and knowledge based systems, and software intensive system modeling and simulation.