



SCIENTIFIC ADVISORY COUNCIL

IHMC's science advisory council lends their expertise to steering the broad research goals of IHMC. These scientists, from a range of disciplines and backgrounds, are leaders in government, corporate, and academic arenas.



Dr. Rita Colwell is currently chair at Canon U.S. Life Sciences, the Arlington, VA. based subsidiary of Canon USA, Inc. She is the former Director of the National Science Foundation as well as a highly cited microbiologist. She is a nationally respected scientist and educator and has authored or co-authored 16 books and more than 700 scientific publications.



Dr. Julio Escobar, a citizen of Panama, is the National Secretary of Science, Technology and Innovation of Panama and a member of the Presidential Commission on Education. Dr. Escobar is in charge of building a national capacity for scientific re-

search and development and of integrating it into the productive base of Panama's economy and into the national programs for human development. He has been a member of the editorial board of the IEEE Networks Magazine and is on the editorial board of the Journal of Fiber and Integrated Optics.



VADM Al Harms Jr., USN (Ret.) recently completed more than 33 years of active duty in the U.S. Navy, while serving as Commander of the Naval Education and Training Command and Director of Naval Education and Training for the Chief of Naval Operations. In this role, he was responsible for a major transformation of all Navy education and training for officers and enlisted personnel. Vice Adm. Harms' decorations include the Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit, Defense Meritorious Service Medal, Meritorious Service Medal, and numerous other personal and unit commendations.



Mr. G. Scott Hubbard is the Director of NASA's Ames Research Center. Previously, he served as the sole NASA representative on the Columbia Accident Investigation Board (CAIB). Hubbard also served as NASA's first Mars program director and was one of the founders in the field of astrobiology, helping establish NASA's Astrobiology Institute. Three times he has received NASA's Outstanding Leadership Medal, and is a two-time recipient of NASA's Exceptional Achievement Medal.



Dr. Alexander H. Levis is a University Professor of Electrical, Computer and Systems Engineering and head of the System Architectures

Laboratory of the C3I Center at George Mason University (GMU). For the past 20 years, Dr. Levis has conducted basic and applied research in and taught many aspects of command and control, from organization design for command centers to operational and system architectures to decision support systems. He served as the Chief Scientist of the U.S. Air Force for three years where he advised the Chief of Staff and Secretary of the Air Force on a wide range of scientific and technical issues.



Dr. T. Dwayne McCay is Provost, Chief Academic Officer and Executive Vice President at the Florida Institute of Technology (FIT) and also a professor of Physics and Space Sciences. Formerly at the University of Tennessee (UT), Dr. McCay was the Vice President for Research and Information Technology and served as the Chief Research Officer and Chief Information Officer. His research areas include microgravity and low density fluid mechanics, solidification physics and laser processing of materials.



Ms. JoAnn H. Morgan was formerly the Director of the External Relations and Business Development Directorate at NASA's John F. Kennedy Space Center (KSC). She worked for NASA on the Mercury and Gemini Programs and was a key member of the KSC launch team for the Apollo, Skylab, and Apollo-Soyuz Programs. She has received many honors and awards, including an achievement award during the activation of Apollo Launch Complex 39, four Exceptional Service Medals, and the Sloan Fellowship for graduate study at Stanford University.



Dr. William Mularie currently serves as CEO of the nonprofit Telework

Consortium, Inc. in Herndon, VA. He has served previously as Deputy Director of the National Imagery and Mapping Agency for Systems and Technology and as the Director of the Information Systems Office at DARPA. His major research interests and publications are in data recording, communications, optics, and materials science.



General Lester L. Lyles, USAF (Ret.) is the former Commander of the Air Force Materiel Command which is responsible for all Research and Development, Science and Technology, Test, and Logistics Support for the U.S. Air Force. General Lyles currently serves on the NASA Advisory Council as Chair of the Aeronautics Committee. Lyles holds a B.S. and M.S. in Mechanical Engineering. His numerous awards include the Defense Distinguished Service Medal; the Astronautics Engineer of the Year from the National Space Club; the National Black Engineer of the Year Award; an Honorary Doctor of Laws from New Mexico State University; and NASA's Distinguished Public Service Medal.



Dr. Alain T. Rappaport is the Founder and CEO of Medstory, Inc., a software and services company focused on information solutions that increase the efficiency of healthcare industry processes, from drug development to personalized medicine. He was co-founder, President, and Chief Scientist of Neuron Data, Inc., a world leading company in artificial intelligence and other business-critical software components. He has published in the areas of artificial intelligence, cognitive science, and neurosciences, in conferences, workshops, and major journals.



Dr. David Waltz is the Director of the Center for Computational Learning Systems (CCLS) at Columbia

University. His doctoral thesis on computer vision originated the field of constraint propagation, and he created the field of memory-based reasoning with Craig Stanfill. Dr. Waltz's research interests have also included massively parallel information retrieval, data mining, learning, and automatic classification with applications in protein structure prediction and natural language processing.



Dr. Raj Reddy, Herbert A. Simon Professor of Computer Science at Carnegie Mellon University, has been one of the most important contributors to the information revolution in the United States. In addition to conducting groundbreaking research in human-computer interaction and artificial intelligence at CMU, Dr. Reddy was Founding Director of the Robotics Institute, Dean of the School of Computer Science, and most recently Founding Director of CMU West in Silicon Valley. Additionally he served as Co-Chair of the President's Information Technology Advisory Committee under both President Clinton and President Bush.