

Business Opportunities through Technology Transfer

January 29, 2009, 8:30 am to 4 pm.

Salisbury University, Guerrieri Center (Located off Route 13 South in Salisbury, Maryland)

Biographies

Mojdeh Bahar is the Chief of Cancer Branch at NIH Office of Technology Transfer. Mojdeh joined the Office in January 2004 and managed a patent and license portfolio in the areas of cancer, gene therapy, and biological response modifiers. Prior to joining the Office, Mojdeh was an Examiner with the United States Patent and Trademark Office, where she examined applications related to pharmaceutical compositions and their employment in methods of treating diseases and conditions, and assisted in classifying and assigning cases for examination. In 2007-2008 Mojdeh was elected and served as Member-at-Large of the Federal Laboratory Consortium (FLC). In May she was elected as Regional Coordinator of the Mid-Atlantic Region of the FLC. Mojdeh is a patent attorney registered to practice before the USPTO, the State of Maryland, United States District Court for the District of Maryland and the United States Court of Appeals for Federal Circuit. She is a Certified Licensing Professional (CLP). Mojdeh is a 2000 graduate of the University of Maryland School of Law, where she was co-founder and editor of Margins: Maryland's Law Journal on Race, Religion, Gender, and Class. She was a member of the Moot Court Board, and the Phi Delta Phi International Legal Honors Fraternity and the recipient of the William P. Cunningham Award for exceptional achievement and service. She received a Master of Arts degree from New York University and a Bachelor of Science degree with Honors in Chemistry and French from Dickinson College.

Richard D. Baldwin is the Spaceport Manager of the Mid Atlantic Regional Spaceport (MARS), and the full time representative of the Virginia Commercial Space Flight Authority on site at NASA Wallops Flight Facility. In 1997 Mr. Baldwin supported the licensing activity of the new Spaceport and joined the Spaceport as the first Spaceport Manager in 1999. Since then Mr. Baldwin has helped shape and guide the development of Spaceport infrastructure, processes and business. Mr. Baldwin has over 24 years of engineering and program management experience in both the private sector and government environments. His experience includes establishing and managing successful technical programs for Lockheed Martin Energy Systems, and new product development for Alpha Industries, Trans-Tech division. His career began in the field of microwave electronics working on Department of Defense applications including Navy AEGIS radar, missile guidance, B-1B, stealth technology and commercial wireless applications. Mr. Baldwin has been responsible for the development of new products and capabilities, management of growth, and has enjoyed a successful record of both establishing new operations as well as restoring operations to profitability and performance in both manufacturing and technical operations. Mr. Baldwin holds a Bachelor of Science Degree in Physics, and a Master of Science in Engineering.

Sarah Bauer currently leads the marketing and outreach efforts for the U.S. EPA's Federal Technology Transfer Act Program within EPA's Office of Research and Development (ORD). In this position she manages a variety of outreach efforts involving Cooperative Research and Development Agreements (CRADAs), patents, and licensing opportunities. Sarah held two previous positions in ORD: as the Communications Director for the Office of Science Policy, and the Outreach Coordinator for the Environmental Technology Verification Program. Prior to joining ORD, Sarah was involved in multiple efforts under the Oil Pollution Act, the Clean Air Act Amendments, and the Superfund Amendments and Reauthorization Act in EPA's Office of Solid Waste and Emergency Response. Additionally, Sarah has worked as a consultant and corporate trainer in private industry.

Geoff Bland is a researcher in the Instrumentation Sciences Branch of the NASA Goddard Space Flight Center's Laboratory for Hydrospheric and Biospheric Processes, located at the Wallops Flight Facility. Bland received a BS in Aeronautics and Aerospace Engineering from Purdue University in 1981, and has been active in the development of miniaturized airborne instrumentation and platform systems for Earth science research since 1991. Bland works closely with industry, academic and government partners to mature small UAV technology, and explore a variety of applications.

Stephen G. Borleske serves as the State EPSCoR Director. Prior to the EPSCoR role, he served as an Associate Director for DBI and was involved in both the development and implementation of the strategic plan for the Institute. Dr. Borleske retired from the DuPont Company in 2004 after 32 years of service; while with DuPont he had a wide range of roles in basic and applied research and strategic business planning focused on the development of new products, new markets and new businesses in advanced materials. In 1991, he served as a congressional fellow to U.S. House of Representatives Science Committee working on Technology Policy. He served as the chairman of the Council of Science and Technology for the state of Delaware and was instrumental in creating the state's Advanced Technology Center program. He served on the Executive Board for the Delaware Manufacturing Extension Partnership and was the chairman of the Advisory Board for Fraunhofer Center-Delaware. Dr. Borleske has a Ph.D. in organic chemistry from Duke University.

John Emond is with NASA Headquarters' Innovative Partnerships Program. Mr. Emond received a B.A. in History from Clark University in 1974. His early career was in the social service field primarily engaged in youth work including service as a Vista Volunteer. He received a Master's in Public Administration from the University of Connecticut in 1982. Through their graduate program Mr. Emond was nominated and became a Presidential Management Intern at NASA/Goddard Space Flight Center, 1982-1984. He was a contract specialist at Goddard Space Flight Center from 1984-1987 when he joined NASA Headquarters Office of Commercial Programs in 1987 as a policy analyst. Since that time Mr. Emond has held positions as a senior policy analyst and program manager at NASA Headquarters. He is presently a collaboration program coordinator within the Innovative Partnerships Program office, NASA Headquarters, with a primary focus on fostering interagency collaboration in technology development and application. Mr. Emond is also the agency representative to the Federal Lab Consortium Mid-Atlantic Region. The Federal Lab Consortium is a national organization chartered by Congress to foster the transfer of technology from federal research labs to the private sector and other organizations.

Robert Griesbach works with the USDA-ARS's Office of Technology Transfer as the Technology Transfer Coordinator for the Henry A. Wallace Beltsville Agricultural Research Center. Rob has been with OTT for 3 years. Prior to coming to OTT, he worked 25 years as a USDA-ARS Research Geneticist. In 2005, he received a Regional Excellence in Technology Transfer Award from the FLC Mid-Atlantic Region for the development of new Star-of-Bethlehem plants. Rob earned a Ph.D. in genetics from Michigan State University.

Michael Hitch is the Technology Manager at NASA, Wallops Flight Facility in the Advanced Projects Office. This office works as a liaison with various private and public entities to carry out joint projects between NASA and industry or other government agencies. Technologies range the gambit from aircraft and UAVs to scientific balloons, sounding rockets and large orbital rockets. Mr. Hitch lives in Salisbury and earned degrees for BSEE from the University of Maryland and MSEE from George Washington University. He serves as an officer on the Board of Directors for the Edward H. Nabb Research Center for Delmarva History & Culture at Salisbury University.

Thomas Jones was named Provost of Salisbury University in 1997. He previously served as the Dean of the Richard A. Henson School of Science and Technology for nine years. Dr. Jones came to SU in 1977 after receiving his Ph.D. in marine microbial plant physiology from the University of Maryland. While his course work for his Ph.D. was taken at College Park, all of his research was conducted out of the Horn Point Environmental Laboratory in Cambridge, Maryland, on the Choptank River. His thesis work was on altering the biochemical composition of microscopic algae to enhance the growth of aquaculture oysters. He continued to maintain an adjunct position with the Horn Point Lab all during his faculty career at SU. Dr. Jones has spent over 25 years studying the physiological ecology of aquatic plants in the Chesapeake Bay region and in other coastal regions, especially their relation to food web dynamics. Most recently, he has been involved in studying the effects of elevated levels of nitrogen and phosphorus on Maryland Coastal Bay ecology.

Over his years at SU, Dr. Jones has served on many campus committees, taught over 15 different courses, published numerous refereed science articles, and was the prime driving force behind the creation of the Dual Degree in Environmental/ Marine Science and Biology Program between SU and the University of Maryland Eastern Shore. Prior to receiving his Ph.D., Dr. Jones served in the US Army from 1968 to 1972 as a military intelligence officer. He served in Vietnam from 1971 to 1972, and later as a major in the Army Reserves, he was appointed the Military Intelligence Operations Officer for the Defense Intelligence Agency's Prisoner of War and Missing in Action office during the Gulf War in 1991.

Dennis McCarthy has had the fortunate experience to work in the federal government, academia, as well as industry. He is currently a consultant to NASA to review specific Programs as well as the Chief Technical Officer of the Hawk Institute for Space Sciences, HISS. He was in industry as the Swales Aerospace Vice President, Director of Engineering. Prior to that, he was at Johns Hopkins University as the Program Director for the first PI Program at a University, the Far Ultraviolet Spectroscopic Explorer. Before that he was in the federal government: at NASA, Goddard Space Flight Center. He served as the Deputy Associate Director of Flight Projects for Hubble Space Telescope in 1994. Previously he was the Deputy Project Manager, Hubble Space Telescope Servicing Mission. He was the Associate Director, Space Sciences Directorate. And he was the Deputy Project Manager, Cosmic Background Explorer, which won the Nobel Prize in Physics in 2006.

John R. Moisan is an oceanographer with the NASA/GSFC located at the Wallops Flight Facility in Virginia. He earned a B.S. in Marine Biology from the University of New England and a Ph.D. in Physical Oceanography from Old Dominion University. He did his post-graduate studies at Scripps Institution of Oceanography and then later taught Physical Oceanography and Marine Operations and Research for several years at Long Island University before taking his present position at NASA. Dr. Moisan's primary field of expertise is in developing coupled physical-biogeochemical and radiative transfer models of the ocean. For the past 10 years he has been leading an effort to develop a solar powered surface autonomous vehicle to support ocean exploration. His efforts in this area are driven by his modeling experience which has demonstrated to him the critical need to much more observations-based science to support model development, especially for those whose primary goal is to support predictions.

Michael Pennington Executive Director, Tri-County Council for Lower Eastern Shore of Maryland

James A. Poulos, III is Vice President of Technology Transfer and Commercialization at TEDCO and oversees TEDCO's funding programs to the states Federal Labs and Universities. He is a registered patent attorney. His career in patent law began in 1980 as a self-employed patent researcher. Mr. Poulos has written over 150 patent applications and has prosecuted at

least a thousand applications. Over 90% of these applications issued into US Patents. From 1991-1998 Mr. Poulos was responsible for the US patent portfolio of the multi-national company Zambon Group S.p.A. (Zambon). Zambon is the largest Italian owned pharmaceutical company in Italy. Mr. Poulos has prosecuted a patent application of Nobel Laureate, Giulio Natta. After a national search, Mr. Poulos was named the Executive Director of the Office of Technology Commercialization at the University of Maryland, College Park in June of 2000 through May of 2007. In that office, Mr. Poulos negotiated over 200 license agreements with commercial entities both within and without the state of Maryland. During his tenure over 30 University spin-off companies were created, including Quantum Photonics (College Park, MD), Little Optics (Columbia, MD) and RioRey, Inc. (Bethesda, Maryland). These three companies have received over 85 million dollars in combined venture capital funding.

Michael Scott is an Associate Professor in the Department of Geography and Geosciences at Salisbury University and the Director of the Master of Science in GIS and Public Administration degree program. He is also the director of the Eastern Shore Regional GIS Cooperative, a group funded by neighboring regional councils to provide GIS services to local municipalities and counties. He has a doctorate and a master's degree in Geography from the University of South Carolina, specializing in geographic information science and a bachelor's degree in Geography from Salisbury (State) University. Having grown up on Maryland's Eastern Shore, Mike has dedicated his academic career to projects that benefit the citizens of the DelMarVa Peninsula. Examples include routing a regional public transportation system, tracking the source of bacterial contamination in local waterways, analyzing the region's flood vulnerability, delineating shrinking wetlands, mapping small town utility systems, and exploring the area's history and heritage.

Tara Weaver-Missick works with the USDA-ARS's Office of Technology Transfer, where she heads the Marketing Program. Tara has been with OTT for more than 8 years. Prior to coming to OTT, she worked as a Public Affairs Specialist/Research Reporter with the ARS Information Staff. She has been with USDA for more than 20 years. She has a M.S.M. specializing in Public Relations, a B.S. in Communications and Journalism, and an AA in Business Administration.

David Weir is the Director of the Office of Economic Innovation and Partnerships (OEIP) at the University of Delaware. He previously served as the founding Director of the Delaware Biotechnology Institute. With a Ph.D. and post doctoral experience in chemical physics he lectured at the University of St. Andrews in Scotland before joining the DuPont Company in Wilmington, Del. During a 35-year career with DuPont, Dr. Weir held leadership positions in the business and scientific arenas and participated in the discovery, development and marketing of major DuPont product innovations in the polymer, fiber and agriculture business segments. As vice president for global research and development, he played a key leadership role in developing DuPont's worldwide capability in agriculture and plant science, with special emphasis on biotechnology and plant genetics. In this capacity, he traveled widely and discussed the role of modern biology in agriculture and sustainable development with business and political leaders in the developing world. After retiring from DuPont, Dr. Weir was appointed a director of Grupo Vicunha, a Brazilian conglomerate, with the particular role of helping the group develop improved business and management processes. In 1998, Dr. Weir was appointed to the staff of the University of Delaware as director of the Delaware Biotechnology Institute, a partnership involving state government, academic institutions – in particular the University of Delaware, Delaware State University and Delaware Technical and Community College – and the private sector. The Delaware Experimental Program to Stimulate Competitive Research (EPSCoR) Office is a partnership between the National Science Foundation, the state of Delaware, and Delaware's institutions of higher education. This partnership is dedicated to building our research and development capabilities, particularly in biotechnologies that can be used to study our complex environment and address problems in ecosystem health.