



[www.nano.gov/nanoRegional.html](http://www.nano.gov/nanoRegional.html)

# Invited Speakers & Panelists

---

**Edward Ahn, Pioneer Surgical**

**Gary Albach, nanoAlberta**



**Les Alexander**, as Operations Manager, brings operations, Government contracting, financial and business development experience to the Government Solutions Group of A123 Systems. He is business liaison for A123 System's Government customers and manages internal execution of all Government programs. Mr. Alexander has held executive positions in finance and accounting, operations and procurement, with twenty years of domestic and international business experience and a successful history of process development and management. Mr. Alexander is a retired Commander, U.S. Naval Logistics Officer who served in the Persian Gulf War. and led large projects for multiple naval ships and bases. He has managed large military budgets and programs \$80M equipage budget for aircraft carriers and a \$25M international logistics contract. After his naval service, Mr. Alexander joined T/J Technologies as Director of Finance and Business Operations, rising to Vice President during T/J Technologies' rapid growth period. Mr. Alexander has also held position as Director of Finance and Business Operations of Clover Technologies, a regional telecom, and Director of Operations for Triad Business Solutions, a professional employer organization. Mr. Alexander earned a B.A. in Economics (Finance / Management) and M.S. in Management (Government Contracting).



**Mostafa Analoui, Ph.D.**, is Head of Healthcare and Life Science at The Livingston Group (New York, NY) and Senior Vice President of Business Development at Charlesson Pharmaceuticals. Previously he was the Senior Director at Pfizer Global Research and Development in Connecticut. He is also adjunct Professor of Radiology and Oral Pathology, Medicine at Indiana University Schools of Medicine and Dentistry. Dr. Analoui is actively involved in investment, management and scientific/business development of nanotechnology, drug discovery/development, diagnostic imaging, and global strategies. Prior to joining Pfizer, Dr. Analoui was the Director of Oral and Maxillofacial Imaging Research at Indiana University, and Associate professor of Biomedical Engineering and Electrical & Comp Engineering at Purdue University. He was also President and CEO of Therametric Technology Inc. In addition to industry leadership in biomedical and technology fields, he lectures and consults nationally and internationally. He has also served on various scientific, regulatory, and business advisory committees and boards. Dr. Analoui has authored over 130 publications, including journal articles, book chapters, and technical reports.



**David Arthur** has more than 25 years experience commercializing products utilizing advanced materials, working at Rogers Corporation, A.T. Cross Co., Composite Solutions, Helix Technologies, Eikos and now SouthWest NanoTechnologies. He has BS in Chemical Engineering from Tufts University, MS in Chemical Engineering from the University of Connecticut and MBA from Northeastern University. His research interests include the synthesis of nanomaterials and the fabrication of nanoscale features at a large scale. Dave has strong technical and market knowledge in the field of carbon nanotubes.

**Carl Batt, Cornell**

**Alden Bean, CIMS, NCSU**



**Steven W. Brown** is a Certified Industrial Hygienist employed by Intel Corporation and is responsible for the safe introduction of new process chemistries and manufacturing technologies into Intel's global manufacturing facilities. Mr. Brown is the Convener of the International Standards Organization (ISO) Technical Committee 229 on Nanotechnologies which is charged with developing ISO Health, Safety and Environmental standards for the safe introduction of nanomaterials into worldwide commerce. Mr. Brown has 21 years experience in semiconductor and aerospace industries.



**Dr. Alan Brown** is executive director of the Pennsylvania NanoMaterials Commercialization Center, overseeing the Center's efforts to establish Pennsylvania as the first-to-market leader in products and technologies that utilize nanomaterials. Dr. Brown has worked closely with Pennsylvania's universities, companies and government agencies to develop a unique public-private partnership for commercialization of advanced technologies and was instrumental in establishing the Center as a non-profit organization. Previously, Dr. Brown was vice president and chief technology officer at CAMP Inc. (formerly the Cleveland Advanced Manufacturing Program), a non-profit economic development organization in Ohio where he assisted companies and entrepreneurs in adopting and supporting advanced technologies including nanotechnology. Prior to his career in technology-based economic development, Dr. Brown

spent 20 years in the private sector in research, new product development, advanced manufacturing, and consulting, holding executive-level positions in both Fortune 500 and start-up companies. His expertise spans a wide range of technology areas including thin films, semiconductors, electro-optics, acoustics, and microelectronics. Brown received his Ph.D. in physics from the University of Toronto, his masters degree in business from Clark University, and his bachelor's and master's degrees in physics and mathematics from the University of Waterloo.

#### **Scott Bryant, MANCEF**



**Michael Carolina** is executive director of the Oklahoma Center for the Advancement of Science and Technology (OCAST). His tenure at OCAST began August 1, 2005. Carolina held management and executive positions with Western Electric Company, AT&T and Lucent Technologies, where he worked for 25 years in the telecommunications industry. In 2001 he became an industry consultant with the OSU Center for Innovation and Economic Development Foundation and was an adjunct professor in the Engineering and Technology Management program (OSU College of Engineering, Architecture and Technology.) A native of Oklahoma, he received his B.S. in Biological Science from Oklahoma State University in 1967 and his M.S. in Environmental Science from the University of Oklahoma in 1971. He was

selected by AT&T to attend its Executive Development Program in Princeton, NJ and completed the program in 1986. Carolina serves on the board of directors for the Oklahoma Medical Research Foundation (OMRF), the National Memorial Institute for the Prevention of Terrorism (MIPT), i2E, the Oklahoma Alliance for Manufacturing Excellence (OAME), as well as the Governor's International Team (GIT), the Oklahoma Experimental Program to Stimulate Competitive Research (EPSCoR) Advisory Committee and engineering advisory boards at Oklahoma State University and the University of Oklahoma. He has also been named to the Southern Growth Policy Board's Science and Technology Advisory Committee.



**Dr. Ralph K. Cavin** is currently Vice President for Research Operations at the Semiconductor Research Corporation. His technical interests span VLSI circuit and system design, computer-aided design of microelectronic systems, control theory with applications to semiconductor manufacturing, and applications of computing and telecommunications to engineering education. He has authored or co-authored over 100 refereed technical papers and contributions to books. Dr. Cavin is a Life Fellow of the Institute for Electrical and Electronics Engineers (IEEE) and has participated actively in society programs. He has served as a consultant to a number of government, industrial, and academic institutions and is a member of the Board of Directors and a Fellow of the International Engineering Consortium, a member of the IEEE Computer Advisory Board and Chair of the Scientific Advisory Board for the Institute of Microelectronics in Singapore. Dr. Cavin has a BSEE and MSEE from Mississippi State University and Ph.D. in Electrical Engineering from Auburn University, and was previously a Full Professor in the Department of Electrical Engineering at Texas A&M University.



**Professor R.P.H. Chang** established and currently directs the Materials World Modules (MWM) program for middle school science classrooms and also directs the National Center for Learning and Teaching in Nanoscale Science and Engineering (NCLT), recently established by the NSF to help meet the research and workforce development goals of the U.S. National Nanotechnology Initiative. He was honored in 2005 with the NSF Director's Distinguished Teaching Scholar Award for his contributions to materials research and education. A member of numerous international advisory boards, Prof. Chang is also a former President of the Materials Research Society and the founding president of the International Union of Materials Research Societies (IUMRS). His current research interests include Carbon nanotubes, Photonic crystals, Random lasing phenomenon, and Quantum dots and wires. Prof. Chang served fourteen years as director of Northwestern's Materials Research Center, where he established several large research programs in carbon science and technology and complex oxide films and devices. In 1993, he founded the Materials Research Institute as a platform for expanding his diverse activities in materials research, education, and network building. Dr. Chang received his B.S. degree in Physics from the Massachusetts Institute of Technology and his Ph.D. in Astrophysics from Princeton University.



**Rich Chapas** is currently responsible for leading the development of Battelle's Environmental Technology business with a primary focus on industry in his position as Senior Market Manager. He previously provided leadership in the development and management for all the laboratory's programs for Pacific Northwest National Laboratory's Industrial sector. Prior to joining Battelle, Rich has run his own consulting business and worked for a multitude of companies in a variety of lead roles. Rich has a breadth of experience in developing and commercializing new products. His patent portfolio includes products which are generating over thirty million in sales. He has worked with USDA and NREL in developing new products. He has been a Board member of the Industrial Research Institute (IRI), where he also served as chair for subcommittees on Knowledge Management, Sustainability in R&D, and Research on Research. He was the IRI Board liaison to the National Innovation Initiative, working closely with the Council on Competitiveness. Dr. Chapas also served on the Executive Board for the Council on Chemical Research. As a Board member for the Center for Sustainable Enterprise at the Kenan-Flagler Business School at the University of North Carolina, Rich has worked with academic and industrial experts to develop a methodology for product development directed at the needs of the developing world. He has presented papers throughout the world on sustainable development. He is also on the Executive Committee for the U. S. Business Council for Sustainable Development which leads U. S. businesses in developing projects to drive sustainable solutions, including industrial ecology and ecosystems restoration. His academic training includes a B.S. in Chemistry from St. Vincent College and a Ph.D. in Organic Chemistry from University of Illinois. His specific expertise includes natural and synthetic polymer chemistry, nonwovens, composites, adhesives, and absorbent materials. His management experience includes innovation and strategy, entrepreneurship, and sustainability.

**John Cowie, Agenda 2020**

## Ed Cupoli, CNSE- Albany

## Minoo Dastoor, NASA



**Dr. Mauro Ferrari's** current positions include tenured Full Professor and Division Head, Division of Nanomedicine, in the UT Department of Biomedical Engineering (BME). He is a Full Professor of Internal Medicine in the Division of Cardiology, School of Medicine; Professor, Graduate School of Biomedical Sciences; Adjunct Professor, School of Health Information Science. He is also a tenured Full Professor, Experimental Therapeutics, UT M.D. Anderson Cancer Center; Adjunct Professor, Department of Bioengineering, Rice University; Adjoint Professor, College of Engineering, UT Austin; Affiliated Faculty Structural and Computational Biology and Molecular Biophysics Graduate Program, Baylor College of Medicine; and Adjunct Professor, Mechanical Engineering department and Biomedical Engineering Program, Cullen College of Engineering, University of Houston. His current research program includes projects funded by the NSF, NIH, the Department of Defense, NASA Johnson Space Center (NASA), the Department of Energy, and the State of Texas, among others. His current research portfolio exceeds \$ 30 Million, and his career total exceeds \$ 50 Million in total costs. He has published about 200 refereed journal articles and book chapters, has edited 7 volumes, and is series editor for Springer's Fundamental Biomedical Technologies. He has given over 200 keynote and invited presentations at professional conferences and academic venues, in the field of engineering mechanics and materials, cancer, mathematics, nanotechnology, physical chemistry, medical pathology, radiology, and cardiology. Dr. Ferrari has to date been awarded about 30 U.S. and International patents, with many more currently pending. Dr. Ferrari is active as an academic-entrepreneur. Among the companies he has founded are NanoMedical Systems, and Leonardo Biosystems, which is part of the portfolio of companies of NASDAQ-traded Arrowhead Research Corporation (ARWR). He currently serves on the Board of Directors of NMS and Leonardo Biosystems, and is Director of Scientific Affairs for ARWR.



**Dr. Stephen Fonash** holds the Bayard D. Kunkle Chair in Engineering Sciences at the Pennsylvania State University. His activities include serving as the director of the NSF National Nanotechnology Applications and Career Knowledge (NACK) Center, and director of the Pennsylvania Nanofabrication Manufacturing Technology Partnership. His research activities encompass the device physics and micro and nano-scale processing of electronic, sensing, and solar cell devices. He has published over 300 refereed papers in these areas. His book "Solar Cell Device Physics" will appear in its second addition in 2009 and his solar cell computer modeling code AMPS is used by more than 1400 researchers around the world. Dr. Fonash holds 29 patents in his research areas. Prof. Fonash is a Fellow of the IEEE and of the Electrochemical Society.

## Marty Fritts, NCL-SAIC Frederick



**Charles Gause:** In late 2004, Luna Innovations successfully launched a public-private partnership to establish a one-of-a-kind nanomaterials development and manufacturing facility in Danville, Virginia called Luna nanoWorks. Charles Gause directed this project which transformed a 24,000-square-foot historic tobacco warehouse into a premiere nanomaterials facility, by establishing division operations, business development, and manufacturing processes. With an extensive manufacturing and engineering science background, Gause is currently identifying and developing market opportunities based upon Luna's nanotechnologies including therapeutic and diagnostic pharmaceutical products, alternative energy solutions with organic solar cells and defense applications. Gause is active in nanotechnology policy initiatives such as the NanoHealth Enterprise, Northern Virginia's Technology Council's Nanotechnology Committee and is a founding member of the Accelerating Innovation Foundation. Likewise, he is a member of the State of Virginia's Joint Commission on Technology and Science Nanotechnology Advisory Committee (JCOTS) and is the President of the Southern Piedmont Technology Council (SPTC). He serves on Danville Community College's Workforce Advisory Board and the Chamber of Commerce's Educational Advisory Board for Southern Virginia.



**Sheryl Hale, Ed.D.**, is the manager of Research and Development for the Oklahoma Department of Career and Technology Education. Sheryl conducts research to support workforce and economic development initiatives. She recently assisted in the development of Oklahoma's Health Care Industry Workforce Report and Oklahoma's Aerospace Industry Workforce Report for the Governor's Council on Workforce and Economic Development. She has co-authored two Advanced Technological Education National Science Foundation grants, resulting in \$3,598,000 in awards. Sheryl holds a doctorate from Oklahoma State University in occupational and adult education with an emphasis on evaluation and measurement.



**Stacey Harper, Ph.D.**, is a Signature Research Faculty Fellow of the Oregon Nanoscience and Microtechnologies Institute and an Assistant Professor in the Department of Environmental & Molecular Toxicology and the School of Chemical, Biological & Environmental Engineering at Oregon State University. She earned her bachelor's degree in natural sciences and mathematics from Mesa State College, CO and her master's and doctoral degrees in biological sciences from University of Nevada Las Vegas, NV. She then served two years as a post-doctoral research fellow with the Exposure and Dose Research Branch of the EPA. In her research at OSU, she employs *in vivo* approaches to evaluate the biological activity and toxic potential of novel nanomaterials, and has established a collaborative, multidisciplinary research program to develop a functional knowledgebase of Nanomaterial-Biological Interactions (NBI).

#### **Richard Johnson, Arnold & Porter**



**Arturo Keller** is the Associate Director of the UC CEIN. He is a Professor at the Bren School of Environmental Science and Management, UC Santa Barbara. He focuses on the fate and transport of pollutants, with a recent focus on nanoparticles and colloids. He has over 90 publications in peer-reviewed journals, and has served on national and international panels. He obtained his Ph.D. from Stanford University (Civil Engineering) in 1996, and has been a faculty member at UCSB since then. Prior to his graduate studies, Prof. Keller worked in industry as a chemical engineer for 11 years.



**Philip Lippel** is a Policy Analyst at the National Nanotechnology Coordination Office. He works with NNCO staff to harmonize the activities of the 25 Federal agencies now participating in the National Nanotechnology Initiative, and to keep Congress, the public, and other interested parties up to date on "nano" research, development, and education. He is a U.S. Delegate to the OECD Working Party on Nanotechnology, serves as Executive Secretary of the NNI's Global Issues in Nanotechnology Working Group, and works with industry through the Nanomanufacturing, Innovation, and Liaison with Industry Working Group. Dr. Lippel came to the NNCO after a AAAS Science and Technology Policy Fellowship at the National Science Foundation's Office of Legislative and Public Affairs. Previously, he built and utilized scanning tunneling microscopes (STMs) at the IBM Almaden Research Center and as a faculty member at the University of Texas at Arlington, and explored educational uses of STMs with Phase I & II support from NSF's SBIR program. At Agilent Technologies, he designed network test equipment and was active with telecommunications standards groups. Dr. Lippel received an A.B. in Physics and in Theatre from Williams College, and the M.S. and Ph.D. degrees in Physics from Brandeis University.

#### **Jim Mason, ONI**

#### **Krish Mathur, Department of Education**



**Terry L. Medley** is Global Director of Corporate Regulatory Affairs, DuPont Environmental and Sustainable Growth Center. He is recognized internationally as an expert on biotechnology, nanotechnology and environmental regulatory matters. He served two terms as a member of the U.S. National Academies, National Research Council's Board on Agriculture and Natural Resources. Prior to joining DuPont, he was Administrator of the Animal and Plant Health Inspection Service (APHIS) at the U.S. Department of Agriculture (USDA). His current responsibilities include leading the DuPont Nanotechnologies Safety Health and Environment Advisory Team. He is the Chair of the American Chemistry Council's Nanotechnology Panel and Chair of the Business Industry Advisory Committee

(BIAC) delegation to the Organization for Economic Co-operation and Development (OECD)'s Expert Group on Nanotechnology. He is also a member of the International Council on Nanotechnology (ICON)'s Steering Committee. He graduated cum laude from Amherst College and received a Doctor of Jurisprudence degree from the University of Virginia.

**Mike Moradi, Charlesson Pharmaceuticals LLC**

**William Mullins, Department of Defense**



**Sean Murdock:** Prior to becoming the Executive Director of the NanoBusiness Alliance, he was the Executive Director and a founding board member of AtomWorks, an initiative formed to foster nanotechnology in Illinois and more broadly throughout the Midwest. Sean has established himself as a leading thinker in the areas of nanotechnology commercialization and economic development. He has delivered keynote speeches on the commercialization of nanotechnology at several nanotechnology conferences, and served as co-chair for the commercialization focused NanoCommerce 2003 conference and trade show. Sean has been quoted extensively on the subject in many leading publications including Fortune, The Economist, the Chicago Tribune, the Chicago Sun-Times, and Small

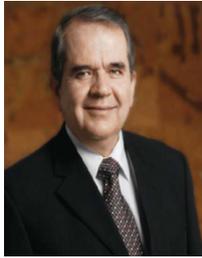
Times. Sean has been very active in nanotechnology trade and economic development issues. He helped to organize and execute the first Nanotechnology Trade Mission to Europe in conjunction with the NanoBusiness Alliance and the U.S. Department of Commerce. He has also been engaged with senior officials of the U.S. Department of Commerce's Technology Administration on the potential impact of export control issues on nanotechnology development and commercialization. Prior to founding AtomWorks and serving as the Executive Director of the NanoBusiness Alliance, Sean had more than 7 years experience in management consulting, most recently as Engagement Manager at McKinsey & Company. Sean served a variety of Fortune 500 companies, focusing primarily upon the industrial and chemicals sectors. While there, he developed some of the firm's early perspective on the business opportunities created by the nanotech revolution, publishing the first two internal documents on the subject. Sean received his Masters in Business Administration and Masters in Engineering Management from Northwestern University. He holds a BA in Economics from the University of Notre Dame.

**Golam Mustafa, Environmental Protection Agency**



**Matthew Nordan** is the President of Lux Research. Coming to Lux Research from Forrester Research, Matthew held a variety of senior management positions where he headed the firm's North American consulting line of business and lived for four years in the Netherlands growing Forrester's operations in Europe. Matthew has testified before the U.S. Congress on nanotechnology issues and advised the Committee to Review the National Nanotechnology Initiative of the National Academies. He has also participated in developing public-sector

technology strategy for the World Economic Forum, the European IT Observatory, and the Dutch transportation ministry. Matthew often comments on emerging technology on CNN and CNBC and has been widely cited in publications such as The Wall Street Journal and The Economist. Matthew is a summa cum laude graduate of Yale University, where he conducted cognitive neuroscience research on the neural pathways mediating emotion and memory.



**Dr. Jaime Parada Avila** has been involved for over 30 years in business and project management, product development, innovation and R&D programs. He also has experience in manufacturing and quality systems and has acted as a consultant in engineering and feasibility studies. He is currently the president and CEO of Monterrey International City of Knowledge. He has previously served as Visiting Professor at University of Texas at Austin for postgraduates in Sciences and Technology Areas, Advisor in Innovation for several companies, General Director, National Council for Science and Technology (Consejo Nacional de Ciencia y Tecnología (CONACYT), Chief Technology Officer in CYDSA Group and Vitro Group, Vice president of Technology, and Business Leader of Compressors and components VITROMATIC S.A. de C.V., Household Appliances Division (Whirlpool Co. – VITRO joint venture), General Director, Mexican Institute of Metal-Mechanic Manufacturing Research (IMEC), Technical Director, Division of Associated Enterprises, SIDERMEX, Head of the Liaison Department with the Productive sector, Director of Infrastructure and Technological Research Centers, Consejo Nacional de Ciencia y Tecnología (CONACYT), General Director, Development and Engineering Consultants, S.A., Director of Economic and Pre-investment Studies, INPLISA-GOPA.



**Dr. Michael T. Postek** is the Chief of the Precision Engineering Division and has been the Program Manager of the Nanomanufacturing Program in the Manufacturing Engineering Laboratory at the National Institute of Standards and Technology (NIST). Dr. Postek was the Assistant to the NIST Director for Nanotechnology and is both a nationally and internationally recognized expert in nanometrology and scanning electron microscope (SEM) critical dimension (CD) metrology. Dr Postek received his B. A. from the University of South Florida (1973); M. S. from Texas A&M University (1974); Ph.D. from Louisiana State University (1980) and an Executive M. S. in Technology Management from the University of Maryland (1997).

**Dianne Poster, NIST**

**Daniel Rardon, PPG Industries**



**Dr. Mihail C. Roco** is the Senior Advisor for Nanotechnology at the National Science Foundation (NSF) and a key architect of the National Nanotechnology Initiative. Prior to joining National Science Foundation, he was Professor of mechanical and chemical engineering. Dr. Roco is credited with thirteen patents, contributed over two hundred articles and in sixteen books including “Managing Nano-Bio-Info-Cognition Innovations” (2007) and “Mapping Nanotechnology Knowledge and Innovation: Global and Longitudinal Patent and Literature Analysis” (2009). Dr. Roco is a corresponding member of the Swiss Academy of Engineering Sciences. He is a Fellow of ASME, Fellow of AIChE and Fellow of the Institute of Physics. Dr. Roco was elected as Engineer of the Year by the U.S. Society of

Professional Engineers and NSF in 1999 and again in 2004. He was awarded the National Materials Advancement Award from the Federation of Materials Societies in 2007 “as the individual most responsible for support and investment in nanotechnology by government, industry, and academia worldwide”.

**T. James Rudd, NSF**



**Skip Rung** is president and executive director at the Oregon Nanoscience and Microtechnologies Institute (ONAMI), Oregon's first "Signature Research Center." ONAMI is a multi-institution and industry collaboration to grow micro/nanoscale technology research and commercialize via industry relationships and startup company launches. Preceding his role at ONAMI, Skip was director of Advanced Research for Imaging and Printing Technology Platforms at Hewlett-Packard. Skip has also consulted in the areas of innovation management, technology business development, and intellectual property and is a co-author of the 2004 Oregon Research Competencies study commissioned by the Oregon Economic and Community

Development Department. Skip received his BSEE and MSEE from Stanford University.

**Doug Schulz, ND State U. - CNSE**

**Brent Segal, Lockheed Martin Nanosystems**

**Hratch Semerjian, Council Chemical Research**



**Philip Shapira** is Professor of Public Policy at Georgia Institute of Technology, Atlanta, USA, and Professor of Innovation, Management and Policy at the Manchester Institute of Innovation Research, Manchester Business School, UK, focusing on science, technology and innovation management and policy; industry analysis; and regional innovation. He is associated with the Center for Nanotechnology in Society (CNS-ASU), directing a real-time technology assessment program on nanotechnology research and innovation. Recent co-authored publications include: "Refining Search Terms for Nanotechnology", *J. NanoPart. Res.*, 2008; "Mapping the Nanotechnology Enterprise: A Multi-indicator Analysis of Emerging Nanodistricts in the US South", *J. Tech. Transfer*, 2008; "Emergence of Nanodistricts in the United States: Path Dependency or New Opportunities?" *Econ. Dev. Quart.*, 2008; and "Technological Diversity, Scientific Excellence and the Location of Inventive Activities Abroad: The Case of Nanotechnology", *J. Tech. Transfer*, 2009.

**Srinivas Sridhar, Northeastern University**



**Marc G. Stanley** has served as Director of the Technology Innovation Program (TIP) at the National Institute of Standards and Technology (NIST) since December 31, 2007. He was appointed Acting Director of TIP on September 10, 2007. He also serves as a U.S. Governor on the Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation Board of Governors and as the American Director on the Trilateral Industrial Development (TRIDE) Executive Committee. Mr. Stanley served as the Director of the Advanced Technology Program (ATP) since June 2003. He was the Acting Director of ATP from 2001 to 2003 and as the Associate Director for ATP from 1993 to 2001. Before coming to NIST, Mr. Stanley was the Associate Deputy Secretary of the U.S. Department of Commerce (DoC) by Presidential appointment. He served as Counselor to the NIST

Director, as a consultant to DoC's Technology Administration, and as Assistant Secretary for Congressional and Intergovernmental Affairs at DoC. Mr. Stanley earned a BA from George Washington University and a Bachelor of Law degree from the University of Baltimore.

Dr. Stephen Streiffer is the Director (Interim) of Argonne's Center for Nanoscale Materials, a Department of Energy national user facility that provides capabilities explicitly tailored to the creation and characterization of new functional materials on the nanoscale. He holds a Ph.D. in materials science and engineering from Stanford University (1993) and a bachelor's degree in materials science and engineering from Rice University (1987). The Center's portfolio includes research on Electronic & Magnetic Materials & Devices, Nanobio Interfaces, Nanofabrication, Nanophotonics, Theory & Modeling, and X-ray Microscopy. Dr. Streiffer's scientific expertise is in nanostructured complex oxides and in structural characterization of materials, particularly using transmission electron microscopy and x-ray scattering techniques.

**Sally Tinkle, NIEHS**

**Mark Tuominen, U Mass Amherst**

**Jim Von Ehr, Zyvex**