

I-Group Workshop

July 26-27, 2010

Opening Remarks



C.D. (Dan) Mote, Jr.

University of Maryland at College Park

C. D. (Dan) Mote, Jr. (GUIRR Co-Chair) is currently President of the University of Maryland and Glenn L. Martin Institute Professor of Engineering. Prior to assuming the Presidency at Maryland, Dr. Mote served as Vice Chancellor at Berkeley, held an endowed chair in Mechanical Systems and was President of the UC Berkeley Foundation. He has served as vice chair of the Department of Defence Basic Research Committee, and is a member of the Council of the National Academy of Engineering. His science policy work includes serving on the committee that authored the National Academies' "Rising above the Gathering Storm" report and participating in the Leadership Council of the National Innovation Initiative, an activity of the Council on Competitiveness. Dr. Mote is internationally recognized for his research on the dynamics of gyroscopic systems and the biomechanics of snow skiing. He has produced more than 300 publications and is a Fellow of the International Academy of Wood Science, the Acoustical Society of America, and the American Association for the Advancement of Science. In fall 2005 he received the 2005 Founders Award from the National Academy of Engineering in recognition of his comprehensive body of work on the dynamics of moving flexible structures and his leadership in academia.

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Lunch Keynote Speaker Biography



Nina Fedoroff

U.S. Department of State

Nina V. Fedoroff received her Ph.D. in Molecular Biology from the Rockefeller University, and has served on the faculties of the Carnegie Institution of Washington, the Johns Hopkins University and the Pennsylvania State University, where she was the Director of the Biotechnology Institute and the founding Director of the Huck Institutes of the Life Sciences. She is the Willaman Professor of the Life Sciences and an Evan Pugh Professor at Penn State, as well as a member of the External Faculty of the Santa Fe Institute. Fedoroff has published two books and more than 130 papers in scientific journals. Among her awards is a 2006 National Medal of Science, the highest honor awarded to US scientists. She is also a member of the U. S. National Academy of Sciences and the American Academy of Arts and Sciences. Fedoroff is currently on leave of absence from Penn State serving as the Science and Technology Adviser to the Secretary of State and is President-elect of the American Association for the Advancement of Science (AAAS).

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Dinner Keynote Speaker Biography



Kathie L. Olsen

Association of Public and Land-grant Universities

K. L. Olsen, Ph.D. became Vice President, International Programs at the Association of Public and Land-grant Universities (APLU) on May 4, 2010. Through strengthening ongoing activities and developing new international programs, she is responsible for providing the leadership and vision to incorporating the global dimension as an integral part of the modern public research university and a 21st century global education.

Prior to her current appointment, Dr. Olsen was confirmed by the U.S. Senate as the Deputy Director and Chief Operating Officer of the National Science Foundation (NSF) in August 2005. As such, she was responsible for the day-to-day management and oversight of program creation and administration; national and international collaborations; merit review processes; strategic and long-term planning and performance; budget development, implementation and reporting; personnel; and operations. Upon resigning her appointment as Deputy, Dr. Olsen resumed her career SES status at NSF as Senior Advisor to the Chief Human Capital Officer. In this position she advised the Chief Human Capital Officer and NSF senior management on opportunities for NSF-wide management improvement in areas such as strengthening merit review and interdisciplinary research processes, workforce planning, Program Officer training and development, and succession planning.

Dr. Olsen joined NSF from the Office of Science and Technology Policy (OSTP) in the Executive Office of the President where, since 2002, she had been the Associate Director and Deputy Director for Science. Her responsibilities included overseeing national and international science and education policy development and federal agency program coordination for the physical sciences, life sciences, environmental science, behavioral and social sciences and education.

Prior to OSTP, Dr. Olsen served as Chief Scientist for the National Aeronautics and Space Administration (NASA) (May 1999-April 2002) and the Acting Associate Administrator for Biological and Physical Research (July 2000-March 2002). As Chief Scientist, she served as the Administrator's senior scientific advisor, principal advisor on budget content of the scientific programs and principal interface with the

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national and international scientific community. As Acting Associate Administrator during the formulation of the new Enterprise for Biological and Physical Research, she oversaw budget development and implementation, recruitment and development of professional and support staff and strategic planning.

Dr. Olsen was recruited to NASA from the NSF, where since 1997 she had been Senior Staff Associate for the Science and Technology Centers in the Office of Integrative Activities. From February 1996 until November 1997, she was a Legislative Fellow and detailee from NSF to the Office of Senator Conrad Burns of Montana. Between 1984 and 1996, she served NSF in a variety of administrative and scientific leadership positions. At various times in her early professional career, Dr. Olsen also served as a Research Scientist at the State University of New York - Stony Brook's Long Island Research Institute and Assistant Professor in the Department of Psychiatry and Behavioral Science at the Medical School, as well as Adjunct Associate Professor in the Department of Microbiology at the George Washington University.

Dr. Olsen earned a B.S. in Biology and Psychology with honors from Chatham College and Ph.D. in Neuroscience from the University of California, Irvine. She was a Postdoctoral Fellow in the Department of Neuroscience at Children's Hospital of Harvard Medical School. Her research on neural and genetic mechanisms underlying development and expression of behavior was supported by the National Institutes of Health.

Dr. Olsen holds numerous awards from foreign entities, government agencies, institutions and scientific societies. These include the Norwegian Royal Order of Merit; NASA's Outstanding Leadership Medal; the NSF Director's Award of Excellence; awards for outstanding contributions from the International Behavioral Neuroscience Society and the Society for Behavioral Neuroendocrinology; the Barry M. Goldwater Educator Award from the American Institute of Aeronautics and Astronautics: National Capital Section; the University of California, Irvine Lauds and Laurels Distinguished Alumna Award; and the Barnard College Medal of Distinction. She is an elected Fellow of the American Association for the Advancement of Science and the Association for Women in Science, and an elected member of the Explorers Club. She has been awarded honorary doctoral degrees from Chatham College, Clarkson University, and University of South Carolina.

Creating an Environment for Productive International Collaboration

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John Carfora

Loyola Marymount University

Dr. Carfora holds graduate degrees from a number of colleges and universities, including The London School of Economics, Harvard University, and a doctorate from Teachers College, Columbia University. A recipient of several international research awards, John has lectured throughout the United States, Canada, Africa and Europe.

John was a Research Scholar at Radio Free Europe-Radio Liberty in Munich, Germany, in the 1970s, where he authored studies on social, economic and political themes for radio broadcasts in Russian and other languages. He has been a professor of economics and an international consultant with clients such as American Airlines, Disney, and U.S. News and World Report. John also served as Director of International Education at the Russian Academy of Management in Moscow, and was founding Curator of the Sir Leonard Bertram Schapiro Collection at the British Library of Political and Economic Sciences.

Dr. Carfora is a member of the Board of Directors of the Immersive Education Initiative, and a former member of the Board of Directors of the Alumni and Friends of the London School of Economics (1982-1990).

Dr. Carfora wrote the Foreword to *Universitas: The Social Restructuring of Higher Education in America*, (1998), and co-authored a popular "Vita" on the New Deal economist Stuart Chase. He is co-author of *The Art of Funding and Implementing Ideas: A Guide to Proposal Development and Project Management* (Sage, 2010), and is currently writing a book on decision-making and the academic presidency.

John was a Fulbright Scholar to Ireland in 2009, received the Distinguished Service Award from the National Council of University Research Administrators in 2007, and was an IREX Fellow to the former Soviet Union (USSR) in the 1980s.

John is currently Associate Vice President for Research Advancement and Compliance at Loyola Marymount University in Los Angeles.

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Celia Merzbacher

Semiconductor Research Corporation

Celia Merzbacher is Vice President for Innovative Partnerships at the Semiconductor Research Corporation (SRC). She is primarily responsible for developing partnerships with stakeholders in government and the private sector in support of SRC's research and education goals.

Prior to joining SRC, Dr. Merzbacher was Assistant Director for Technology R&D in the White House Office of Science and Technology Policy (OSTP), where she coordinated and advised on a range of issues, including nanotechnology, technology transfer, technical standards, and intellectual property. At OSTP, she oversaw the National Nanotechnology Initiative, the multiagency Federal program for nanotechnology research and development. She also served as Executive Director of the President's Council of Advisors on Science and Technology, which comprises leaders from academia, industry, and other research organizations, and advises the President on technology, scientific research priorities, and math and science education.

Previously, Dr. Merzbacher was on the staff of the Naval Research Laboratory in Washington D.C. As a research scientist at NRL, she developed advanced optical materials, for which she received a number of patents. She also worked in the NRL Technology Transfer Office where she was responsible for managing NRL intellectual property.

Dr. Merzbacher has served as on the Board of Directors of the American National Standards Institute and led the U.S. delegation to the Organization for Economic Cooperation and Development Working Party on Nanotechnology.

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Lawrence J. Gumbiner

U.S. Department of State

On January 19, 2010, Lawrence J. Gumbiner assumed the position of Deputy Assistant Secretary of State for Science, Space & Health. In this position, he is in charge of managing a team of more than 50 foreign affairs professionals and programs in the areas of Science & Technology Cooperation, Space & Advanced Technologies, and International Health and Biosafety.

Mr. Gumbiner is a career member of the Senior Foreign Service. He comes to the Deputy Assistant Secretary office from his position as Director of Environmental Policy for the Bureau of Oceans, Environment & Science. From 2006-2009 he was Counselor for Economic Affairs at the U.S. Embassy in Bogota, Colombia, serving as chief advisor to the Ambassador on economic and environmental, science and technology matters. From 2004-2006 he was Deputy Director for Regional Economic Affairs in the Bureau of Western Hemisphere Affairs at the U.S. Department of State.

From 2001 to 2004, Mr. Gumbiner served as Environment, Science & Technology Attaché at the U.S. Embassy in Tel Aviv, Israel. Between 1997 and 2001, he established and led the U.S. Government's first Environmental Hub for Central America and the Caribbean, located at the U.S. Embassy in San Jose, Costa Rica. Other postings include Deputy Economic Counselor at U.S. Embassy Managua, and Mercosur Liaison in the State Department's Office of Brazil and Southern Cone Affairs.

Mr. Gumbiner joined the U.S. Department of State in 1988. He holds a Bachelor of Arts from the University of California at Davis, and a JD from Hastings College of the Law. He is licensed to practice law in the State of California.

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Rafic Makki

Abu Dhabi Education Council

Rafic Makki is currently serving as Executive Director, Office of Planning and Strategic Affairs and interim Executive Director of Higher Education, Abu Dhabi Education Council.

From 1984-2003, Rafic served on the faculty of the University of North Carolina at Charlotte, where he was promoted to the rank of Professor of Electrical Engineering in 1995 and directed the computer engineering program from 2000-2003.

In the UAE, Rafic held the position of Dean of the College of Information Technology at UAE University, where he led the building of 7 degree programs and the recruitment of over 40 faculty members. He also served as VP of Research at the Masdar Institute of Science and Technology. His work with the Abu Dhabi Education Council is focused on education reform.

Rafic is the recipient of several major awards including the 2005 IBM Faculty Research Award (first in the Middle-East), the 2002 First Citizen Research Scholar Medal, and the ALCOA Outstanding Graduate Faculty Award. Rafic founded the IEEE Innovations in IT conference which is currently one of the largest IT research conferences in the Middle-East. He has served as President of the Faculty (elected by the university faculty at large) at the University of North Carolina at Charlotte and was actively involved in faculty governance. Rafic received a PhD in Electrical Engineering in 1983 from Tennessee Tech University. His research interests include design and test of semiconductor integrated circuits and education reform. He is a dual citizen of the USA and Lebanon, married with two children.

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John Kirkland

Association of Commonwealth Universities

Dr John Kirkland is Deputy Secretary-General of the Association of Commonwealth Universities, where he has worked since 1999. As part of that role, he has established the successful ACU programme in research management, which brings together university practitioners in the field from throughout the world. The programme has a particular emphasis on benchmarking, and also on developing research management in low and middle income countries. John also acts as Executive Secretary to the Commonwealth Scholarship Commission and Marshall Aid Commemoration Commission - two of Britain's most prestigious international scholarship bodies.

Prior to joining the ACU, John served for five years as Secretary to the UK National Institute of Economic and Social Research, based in London, and for six years as Director of Research Services at Brunel University, where he also obtained his doctorate in 1989.

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Low Teck Seng

*A*STAR*

Prof Low Teck Seng graduated with the B.Sc. (First Class) and Ph.D, in 1978 and 1982 from Southampton University, United Kingdom. He joined the National University of Singapore in 1983. Prof Low was the founding principal of Republic Polytechnic (2002 - 2008) and the founding director of A*STAR's Data Storage Institute (1992 – 1998). He was the Dean of the Faculty of Engineering in the National University of Singapore from 1998 to 2000.

Prof Low was awarded the National Science and Technology Medal in 2004, the highest honour bestowed on an individual who has made distinguished, sustained and exceptional contributions, and played a strategic role in the development of Singapore through the promotion and management of R&D. In 2007 he was awarded the Public Administration Medal (Gold) by the President of Singapore for his outstanding contributions to the development of technical education and the management of science and technology for the nation.

Prof Low is a Fellow of the IEEE and he continues to be active in research. His technical interests are in computational electromagnetics, mechatronics and data storage technologies.

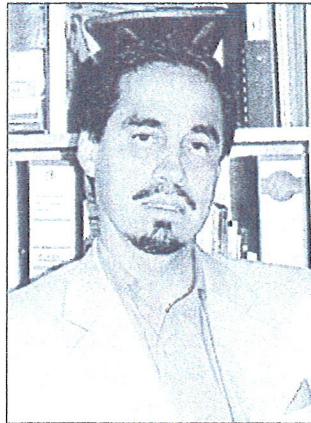
On 22 Jul 2009, Prof Low was conferred the Honorary Doctor of Science by Southampton University in recognition for his contributions to Singapore and his profession internationally, in the IEEE.

In January 2010, Prof Low took up a tenured professorship at NTU and was appointed Senior Advisor to President, Nanyang Technological University.

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Eduardo López Moreno

United Nations Human Settlements Programme

Eduardo López Moreno is the Director of *City Monitoring* within the Monitoring and Research Division, UN-HABITAT, the United Nations Human Settlements Programme headquartered in Nairobi, Kenya (eduardo.moreno@unhabitat.org). Dr. López Moreno has over 20 years of academic and professional experience in housing and urban development policies, institutional analysis and urban poverty alleviation issues.

Dr. López-Moreno was in a temporary position Chief of the State of the World's Cities (2008). Prior to this post, he was the Chief of the Global Urban Observatory from (2002-2008) and Senior Technical Adviser in the Bureau of Africa and the Arab States, UN-HABITAT (1999-2001). His qualifications include a Ph.D. in urban geography from the University of Paris III-Sorbonne in France and a master degree in urban sociology in the same University. He also has a BA in Architecture from the University of Guadalajara, Mexico.

He has an extensive number of publications: five books on topics related to social housing, land policies and urban development. His book "*Une Histoire du Logement Social au Mexique*" was translated into French and published by L'Harmattan in Canada and France in 2001. His book "*La Cuadrícula en el Desarrollo de la Ciudad Hispanoamericana*" was awarded with the Prix of best scholar research in Mexico and currently it is in its fourth edition. Dr. López Moreno has published more than 20 articles in different national and international journals about urban history, local governance, urban policies and housing finance.

Dr. López Moreno is the Task Manager and principal author of the *State of the World's Cities Report 2006/7, 2008/9 and 2010/11*, one of the UN-HABITAT flagship reports. He has also published for UN-HABITAT the document "*Slums of the World: the Face of Urban Poverty in the New Millennium*" (2003) and "*From Structural Adjustment to Poverty Reduction Strategies*" (2001). He published as well various articles for "*Habitat Debate*", a magazine of UN-HABITAT for whom he is now member of the Editorial Board.

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During his academic carrier, he was invited professor in the University Louvain-la-Neuve in Belgium (1993-1996) and the University of New Mexico in the USA (1991). He is member and founder of the Center of Metropolitan Studies in the University of Guadalajara; a research institute that he directed from 1992 to 1996.

He has received numerous distinctions; among them is member of the Scientific Panel on Urbanization, University of Columbia. He is also Board Member of the Programme "Global Urban Development", Prague Institute and member of the Editorial Board of the International Magazine "Urban Space", published by IAARA, in Teheran, Iran.

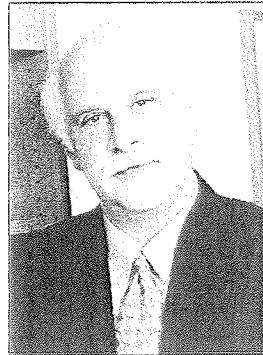
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Cultural Differences and Nuances

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John Carfora

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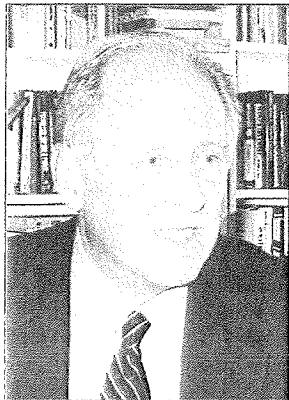
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Riall Nolan

Purdue University

Riall Nolan is Professor of Anthropology at Purdue University, where he was Associate Provost and Dean of International Programs from 2003-2009. Nolan received his doctorate in Social Anthropology from Sussex University, and lived overseas for nearly twenty years, in North and West Africa, Asia, and the Southwest Pacific, working in higher education and international development. Prior to coming to Purdue, Dr. Nolan managed international programs at the University of Pittsburgh, Golden Gate University, and the University of Cincinnati. He has also held administrative and teaching positions at the School for International Training, Georgia State University, and the University of Papua New Guinea. He writes and consults frequently on issues of international development, international education, cross-cultural adaptation, and applied anthropology.

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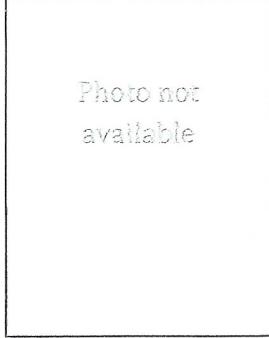


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Christopher W. Williams

United Nations Human Settlements Programme

Chris Williams is the Washington Representative for the United Nations Human Settlements Programme (UN-Habitat), the agency of the United Nations responsible for housing and urban development. Based in Nairobi, Kenya, the organization maintains operations in 87 countries supported by regional offices in Japan, Brazil and Kenya; liaison offices in Geneva, New York, Brussels and Washington; and Habitat Program Managers in 50 countries.

In his capacity as Washington Representative, Mr. Williams is responsible for working with Congress and the Administration to promote sustainable urbanization in foreign policy and development assistance programming of the Government of the United States. In addition, he works with the World Bank Group, the Inter-American Development Bank, and the Global Environment Facility to link capacity building initiatives of UN-Habitat to follow up investments of these and other financial institutions. His portfolio also includes working with philanthropic institutions, policy institutes, national associations and city governments to link domestic and international efforts to advance innovations in housing and urban development, at home and abroad.

Prior to coming to Washington, Mr. Williams served as Political and Inter-Institutional Affairs Officer in the Office of the Executive Director (2002-2006) which included launching the Palestinian Trust Fund, and the newly established Human Settlements Financing Division. Mr. Williams held earlier assignments at UN-Habitat as the Coordinator, Nairobi Slum Upgrading Initiative (2001); Policy Coordinator for the Global Campaign for Secure Tenure (2000); and Research Coordinator, Community Development Programme (1995-1999). In this last position, he worked with the Institute of Social Studies, at the Hague, to carry out a global research initiative on community development using a survey instrument with over 1,000 households in seven countries.

Before joining the UN in 1995, Mr. Williams worked for Neighborhood Housing Services of New York City and founded Interchange, a collective of activists and educators committed to fostering North/South linkages on community economic development. He also worked for the School for International Training (Kenya, Vermont, and Uganda), and the Pine Street Inn Homeless Shelter in Boston, Massachusetts.

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Mr. Williams holds a B.A., Economics from Tufts University, an M.A., Public Policy Studies from the University of Chicago; and M.A., Sociology from the Graduate Faculty of the New School for Social Research. In 2006, he received the United Nations Sabbatical Leave Program Award to commence work on his Graduate Faculty Ph.D., dissertation, "States, Urbanization, and Slum Formation: A Historical Comparative Inquiry of United Nations Operations in East Africa," (forthcoming 2011)

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Tembeka Mpako-Ntusi

South African Research and Innovation Manager's Association

Dr Tembeka Mpako-Ntusi holds BA (Social Work) and BA (Hons) Social Sciences degrees from the University of Fort Hare in South Africa. She completed a Diploma in Tertiary Education at the University of South Africa, followed by an MSc in Social Work at the University of Wales in Cardiff. In 1996 she obtained a PhD at Bryn Mawr College, PA.

She started her career as a social worker in the Transkei Government in South Africa, followed by an academic career at the University Fort Hare in 1979, and the University of Transkei in 1987. In 1991 she was Visiting Professor at the School of Advanced International Studies at Johns Hopkins University. She is the author of numerous book chapters and books, conference papers and journal articles, chiefly on social work issues. Since 2000 she has worked in research management, and was National President of the Southern African Research & Innovation Management Association (SARIMA) from 2007 to 2009.

Her current position, since April 2008, is Director of Research at the Cape Peninsula University of Technology in Cape Town, South Africa.

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Elias Wondimu

Tsahai Publishers, Marymount Institute Press, African Academic Press

Elias Wondimu, an exiled journalist from Ethiopia, has institutionalized his activism and played pivotal roles in his and the larger community by establishing a publishing house, international journals, academic conferences, a nonviolence institute, a film festival and a summer institute.

With an activist zeal, Wondimu is one of the leading agents who are actively engaged to increase Africa's knowledge production within the African continent and the diaspora academic communities. He is also a strong voice in the effort to reverse Africa's brain drain through institutional engagement and collaborative research and publication. He is a member of African Studies Association.

In his role as a freedom of expression activist, he is serving as an executive board member of PEN USA and Black Journalists Association, Southern California. He is consulting Committee to Protect Journalists and advised the International Women Media Foundation regarding the freedom of the press in Africa. He also helped create Los Angeles Press Club's first international caucus.

For the work that he continues to do, he has been called Africa's Cultural Ambassador, included in the inaugural issue of *Who is Who in Black Los Angeles*, and appointed as Ambassador for Peace.

He has been interviewed on the BBC, VOA, Deutsche Welle, NPR, Pacifica Radio, ABC7, KCAL9, *Los Angeles Times*, *Orange County Register* and *LA Weekly*.

Ethics

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Barbara Mittleman

National Institutes of Health

Dr. Barbara B. Mittleman is the Director of the NIH Public-Private Partnership Program of the U.S. National Institutes of Health (NIH). In this capacity she works to develop a wide range of partnerships between the NIH and industry, foundations, academic institutions, and other entities both in the U.S. and abroad. Examples of recently established partnerships are GAIN (Genetic Association Information Network - a project using whole genome scanning approaches to identify genetic markers of common diseases) and The Biomarkers Consortium. Dr. Mittleman is an internist and rheumatologist and trained at the University of Pittsburgh for medical school, residency and fellowship. She came to the NIH in 1991 to pursue post-doctoral laboratory research training in cellular immunology and autoimmunity. While working at the National Institute of Arthritis and Musculoskeletal and Skin Diseases, she was instrumental in the establishment of a community-based rheumatology research clinic to study health disparities in the rheumatic diseases, and served as the principal investigator from the clinic's inception in 2001 to 2007. Her current research interests include biomarkers, particularly for systemic lupus erythematosus (SLE), health disparities, and bioethics.

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Susan Butts

Dow Chemical Company (retired)

Dr. Susan Butts recently retired from The Dow Chemical Company where she had worked for 30 years in various positions in the Research and Development organization. From 2001 through 2009 she served first as Director of External Technology then as Senior Director of External Science & Technology Programs. In that capacity she was responsible for Dow's sponsored research programs at over 150 universities, institutes, and national laboratories worldwide and also for Dow's contract research activities with U.S. and European government agencies. She also had responsibility for U.S. recruiting and hiring for R&D. She worked on issues related to science policy and government funding for research and development from Dow's office in Washington, DC. Prior to her role in External Technology she held several positions in Dow R&D, both as an individual investigator and research manager. She is past president of the University-Industry Demonstration Partnership in the National Academies and interim President of the Council for Chemical Research. She is also a member of the Council of the Government-University-Industry Research Roundtable in the National Academies and a member of the board of directors of the Alliance for Science and Technology Research in America. She is a member of the American Chemical Society, the American Association for the Advancement of Science, Sigma Xi, the Association of Women in Science, and the American Association of University Women.

Dr. Butts received her Bachelor's degree in chemistry from the University of Michigan and her Ph.D. in chemistry from Northwestern University.

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Lisa A. Bero

University of California, San Francisco

Lisa A. Bero, PhD, Professor, Department of Clinical Pharmacy, School of Pharmacy and Institute for Health Policy Studies, School of Medicine, University of California, San Francisco, is a pharmacologist with primary interests in how clinical and basic sciences are translated into clinical practice and health policy. She is Vice Chair in the Department of Clinical Pharmacy and Chair of the UCSF Chancellor's Advisory Committee on Conflicts of Interest. She has developed and validated methods for assessing bias in research and scientific publication and measures influences on the quality of research, including university-industry relations. Dr. Bero has also conducted analyses to examine the dissemination and policy implications of research evidence. She has published numerous peer-reviewed scientific articles related to her research as well as co-authored *The Cigarette Papers* (UC Press, 1996). Her international activities include advisor to the World Health Organization Department of Essential Medicines and Pharmaceutical Policies, as a member of the WHO Essential Medicines Committee and member of the Pan American Health Organization Advisory Committee on Health Research. She is Co-Director of the San Francisco Branch of the United States Cochrane Center. She is editor for the Cochrane Effective Practice and Organization of Care Group -- an international group of researchers conducting meta-analyses of the literature on interventions aimed at getting research into practice. She is an elected member of the Cochrane Collaboration Steering Group and serves on several national and international committees related to conflicts of interest and research, such as the Institute of Medicine Committee on Conflict of Interest in Medical Research, Education and Practice.

Ethics

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Stephanie J. Bird

Science and Engineering Ethics

Stephanie J. Bird, PhD is an independent consultant and co-Editor-in-Chief of *Science and Engineering Ethics*, an international publication that explores ethical issues of concern to scientists and engineers. Now in its 16th year, the journal is widely abstracted and indexed and has been cited by the National Academies as a leading resource for scholarly articles on research integrity. Dr Bird was formerly Special Assistant to the Provost and Vice President for Research of the Massachusetts Institute of Technology (MIT) where she worked on the development of educational programs that address ethical issues in research and the professional responsibilities of scientists and engineers. She is a laboratory-trained neuroscientist whose current research interests emphasize the ethical, legal and social policy implications of scientific research, especially in the area of neuroscience. Dr. Bird has written numerous articles on issues in the responsible conduct of research and on mentoring and other responsibilities of science and engineering professionals. She also lectures, conducts workshops and is a consultant to government agencies, institutions of higher learning, professional societies, and law firms in the United States and other countries.

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Research Integrity and the Responsible Conduct of Research

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Sandra Titus

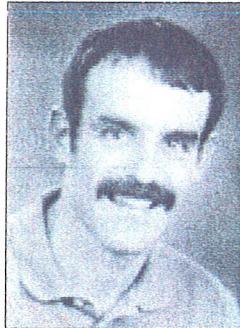
U.S. Department of Health and Human Services

Sandra Titus, Ph.D., Director of Intramural Research at ORI is responsible for establishing and implementing the research agenda for ORI. Recent studies have focused on faculty awareness of research misconduct and their perceptions of institutional integrity, the role and capabilities of research integrity officers who implement the research misconduct regulations and faculty involvement in mentoring or advising their Ph D candidates. Prior studies focused on the observations of possible research misconduct made by scientists about other scientist's behavior and a retrospective study which examined the limited amount of advisor involvement in misconduct cases that involved trainees. Dr Titus often speaks at conferences on research integrity, mentoring, collaboration, authorship, research integrity officer's role and research misconduct as well as publishing papers on these issues. She also manages conferences and workshops and has been the editor of the ORI newsletter. Prior to joining ORI eight years ago, Dr Titus worked at the FDA in regulatory affairs for Human Subject Protection and as Executive Secretary to three FDA drug advisory committees. She has taught research methods in the Medical School at the University of Minnesota as well as to students in Public Health Nursing at St. Olaf College. She currently is on the nursing faculty at the Uniformed Services University. Dr. Titus has a social psychology, public health and nursing background; she did her undergraduate work at Wagner College, Staten Island, N.Y. and her graduate work at the University of Minnesota.

Research Integrity and the Responsible Conduct of Research

I-Group Workshop – Speaker Biography

July 26-27, 2010



David B. Resnik

National Institutes of Health

Dr. Resnik has an M.A. and Ph.D. in philosophy from the University of North Carolina at Chapel Hill and J.D. from Concord University School of Law. He received his B.A. in philosophy from Davidson College. Dr. Resnik was an Associate and Full Professor of Medical Humanities at the Brody School of Medicine at East Carolina University (ECU) from 1998-2004, and an Associate Director of the Bioethics Center at ECU and University Health Systems from 1998-2004. Dr. Resnik was Assistant and Associate Professor of Philosophy at the University of Wyoming (UW) from 1990-1998, and Director of the Center for the Advancement of Ethics at UW from 1995-1998. Dr. Resnik has published over 160 articles on various topics in philosophy and bioethics and is the author of 7 books. He serves on several editorial boards and is an Associate Editor of the journal Accountability in Research. Resnik is also Chair of the NIEHS Institutional Review Board.

Research Integrity and the Responsible Conduct of Research

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Philip G. Altbach

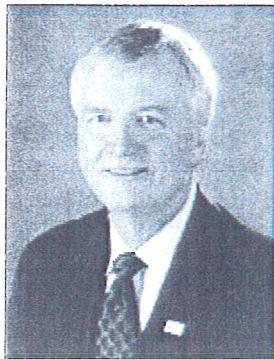
Boston College

Philip G. Altbach is J. Donald Monan, S.J. University Professor and Director of the Center for International Higher Education in the Lynch School of Education at Boston College. He was the 2004–2006 Distinguished Scholar Leader for the New Century Scholars initiative of the Fulbright program. He has been a senior associate of the Carnegie Foundation for the Advancement of Teaching. He is author of *Turmoil and Transition: The International Imperative in Higher Education*, *Comparative Higher Education*, *Student Politics in America*, and other books. He coedited the *International Handbook of Higher Education*. His most recent book is *World Class Worldwide: Transforming Research Universities in Asia and Latin America*. He is chairperson of the International Advisory Council of the Graduate School of Education at Shanghai Jiao Tong University. Philip Altbach holds a B.A., M. A. and PhD from the University of Chicago. He has taught at Harvard University, the University of Wisconsin-Madison, and the State University of New York at Buffalo, and been a visiting scholar at the SciencesPo, Paris, France, the University of Bombay, India, and is a guest professor at Peking University, China.

Research Integrity and the Responsible Conduct of Research

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William A. Blattner

Institute of Human Virology

Since 1980, Dr. Blattner has pioneered studies of the epidemiology and prevention of the human retroviruses, HIV and HTLV.

Dr. Blattner's research employs broad-based population and clinical research strategies to advance understanding of HIV pathogenesis, risk factors and prevention, focusing on HIV preventative vaccines. He is Director and Principal Investigator for the Institute of Human Virology HIV Vaccine Trials Unit at the University of Maryland School of Medicine.

His early studies helped to define the link of HIV to AIDS and its modes of transmission and the first peer-reviewed publication of the sensitivity and specificity of the HIV blood test. He is senior author on the first paper demonstrating time to AIDS from infection illustrating its high attack rate in the absence of treatment. He received the John Snow Award of the American Health Association in 2002 for his pioneering research.

Dr. Blattner's work today focuses on accelerating the testing of HIV vaccine candidates and developing cohorts suitable for efficacy trials. His pathogenesis research focus continues in studies of acute infection and in estimates of HIV incidence in target populations. Focusing on Nigeria in collaboration with the Centers for Disease Control, he is playing a key role in developing capacity for implementing the President's Emergency Plan for AIDS Relief by supporting laboratory capacity building, training of providers and developing implementation structures to insure that antiviral therapy is delivered optimally to avoid the development of drug resistance.

As Chairman of the Baltimore AIDS Commission, Dr. Blattner is working in Baltimore to raise public awareness of the scope of the epidemic and the importance of preventative vaccines. He oversees an international training program funded by the Fogarty Center of the National Institutes of Health to train scientists and clinicians from the Caribbean, Nigeria and Mali.

Dr. Blattner graduated from Washington University School of Medicine, interned at Strong Memorial Hospital, completed residencies at the New York Cornell Medical Center and Memorial Sloan Kettering Cancer Institute and did his oncology training at NCI in Bethesda. He joined the Environmental Epidemiology Branch of NCI in 1976 and served for over two decades, retiring in 1995 as founding Chief of the Viral Epidemiology Branch.

Risk Management

I-Group Workshop – Moderator Biography

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John J. McGowan

National Institute of Allergy and Infectious Diseases

Following an academic career at the Uniformed Services University of the Health Sciences, Dr. McGowan joined the National Institute of Allergy and Infectious Diseases (NIAID) in 1986 as a Program Officer in the AIDS Program, which later became the Division of AIDS (DAIDS). His tenure in DAIDS led to his appointment as the Associate Director of the Basic Research and Development Program.

Dr. McGowan served as the Director of the NIAID Division of Extramural Activities for 13 years prior to his appointment as the NIAID Deputy Director for Science Management in 2004.

He is a scientist trained in molecular biology and virology, proficient in obtaining grants and contracts, and successful in building several independent laboratory research projects. As an accomplished administrator, he has led the growth and development of new organizations with new responsibilities, kept organizations vibrant during times of stability, and guided organizations through periods of downsizing, reorganizing, redeployment, and diminished resources. McGowan is widely recognized in the extramural community for networking skills, the ability to bring disparate groups together, and the capacity to work out viable solutions to issues confronting an organization.

Risk Management

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L. Manning Muntzing

International Risk Governance Council

Bridgewater trustee L. Manning Muntzing was one of the earliest advocates during the 1970s for risk assessment and public safety policies associated with nuclear power. As the former director of regulation for the U.S. Atomic Energy Commission (whose functions now are overseen by the Nuclear Regulatory Commission) from 1971 to 1975, Muntzing was responsible for considering any possible threats to human health and safety posed by nuclear power plants, including accidents, natural disasters or intentional acts of sabotage.

"If we were going to gain the confidence of the public and the world on nuclear matters, you must have a strong 'defense in depth' concept," says Muntzing. "All of the things that could go wrong, you have to have a defense for them."

The Moorefield, W.Va., native has been a leader in the establishment and guidance of numerous international nuclear organizations for more than 35 years. After leaving the AEC in 1975, he went into the private practice of law, specializing in energy law with clients in the United States and abroad. Muntzing was a co-founder of several international nuclear organizations, including the International Nuclear Energy Academy, the International Nuclear Societies Council, the Pacific Nuclear Council and the International Nuclear Safety Advisory Group, which is associated with the International Atomic Energy Agency. A member and past president of the American Nuclear Society, Muntzing also helped to establish Energy Strategists Consultancy Ltd. (ESCL), an international organization that provides guidance and management expertise on energy matters for companies and governmental agencies.

Though Muntzing retired in 2000 as a partner with the law firm of Morgan, Lewis & Bockius, he remains active with many of these nuclear policy organizations. He continues to serve as a director for ESCL and the International Risk Governance Council, which is based in Geneva, Switzerland.

A member of Bridgewater's board of trustees since 1984, Muntzing is a graduate of the University of North Carolina at Chapel Hill and Harvard Law School. He also attended Princeton University's Woodrow

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Wilson School for Public and International Affairs. He is carrying on the legacy of service modeled by his parents , Judge H. Gus and Mary Virginia Manning Muntzing, both were members of Bridgewater's class of 1924. His father was a Bridgewater trustee for 48 years, until his death in 1991.

Muntzing and Nan, his wife of 49 years, have four daughters and seven grandchildren. Nan is a musician who co-founded the Potomac Theatre Company. For the Muntzings, that's just another way to make their community a better place to live.

"It comes down to what are we doing for our community? We are contributing to it," he says. "We don't sit back and take life easy. We work to give back."

Risk Management

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Suzanne J. Servis

National Institutes of Health

Suzanne J. Servis is the Director of the Office of Management Assessment in the Office of the NIH Director. She heads an office that is at the center of NIH integrity issues, investigations, and internal controls, and oversees a number of NIH-wide management support systems, including the NIH privacy program, the NIH Policy Manual, and others.

Ms. Servis received her undergraduate degree from the State University of New York at Albany and came to federal service from the Research Foundation of the State University of New York, where she worked in grants administration. She initially worked at the National Oceanic and Atmospheric Administration and became its chief grants management officer. After an internship at the United States Office of Management and Budget, she changed careers to budget analysis, with oversight responsibility for the budget of the National Weather Service.

Ms. Servis then joined the Department of Defense, Office of Inspector General, where she reviewed major acquisition and environmental security programs and internal controls associated with those programs. While at the Department of Defense, she was selected to participate in the Senior Officials in National Security program at the John F. Kennedy School of Government at Harvard University. Since joining NIH in late 1999, she has worked in the Office of Management Assessment. As director of the office, she has worked with her team to develop a robust NIH-wide Risk Management Program framework that she is implementing across the agency. While at NIH, she has also managed many sensitive and complex reviews of the agency.

Risk Management

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Maria Velez de Berliner

Intelligent Decision Partners, LLC

Dr. Velez de Berliner is a Managing Partner of Intelligent Decision Partners LLC, a US-owned OSINT consulting firm that delivers actionable and verifiable intelligence analyses and assessments of security risks in the political, economic, social, cultural, and military environments that affect U.S. business performance and U.S. government policy outcomes in Latin America, and in relation to the expansion activities of China, India, Russia, Iran, and the Middle East into Latin America. Born in Colombia she became a USA citizen in 1977.

She received a Bachelor of Arts Degree Summa Cum Laude from Lake Forest College and an Honors Masters Degree in Public and International Affairs, with specialization in International Security and Intelligence, from the University of Pittsburgh, where she was awarded a Presidential Management Internship - PMI. Dr. Velez de Berliner, a member of Phi Beta Kappa, received a Doctor of Law *Honoris Causa* from Lake Forest College in 2008 for her contributions to Security and Intelligence, Political Science, and International Relations. As an undergraduate and graduate student, she presented her research and findings on the political and institutional threats created by Drug Trafficking Organizations against the interests of the USG at annual meetings of the American Political Science Association, the International Studies Association, and to intelligence agencies of the US Government.

She is a recognized subject-matter expert on transnational terrorist, criminal, drug trafficking, and human trafficking organizations and on internally displaced persons in Latin America. She is a regular Invitational Instructor on TTOs, TCOs, DTOs, HTOs, non-state actors, and insurgencies in Latin America at Hurlburt Field's USAFB Special Operations School, Cannon USAFB, and Lackland USAFB.

She is also a regular Guest Lecturer on Security, Global Corporate Strategy and Risk Analysis (*Risk Awareness Intelligence™*), Development Economics, International Relations, and Comparative Politics at Lake Forest College, Florida International University, Universidad EAFIT (Colombia), and Canning House (London). Her analyses appear in *The Harvard Business Review Brasil*; *The Harvard Business Review América Latina*; *The Latin America Advisor*; and *Transnational Organized Crime* (London). She was the

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featured analyst on *India in Latin America* on *Bloomberg Reporté Financiero*. She is quoted in news publications around the globe and lectures in the US and internationally. In 2002, the Governor of Pennsylvania named her one of Pennsylvania's Best 50 Women in Business.

Dr. Velez de Berliner presented "*Risk Awareness Intelligence*" and the *Energy Industry in Brazil*," a one-day seminar at the Security and Intelligence Academy, Reston, VA, on 15 April 2010; "*Mexico's and Central America's TTOs and TCOs in the USA*" at Gov/Sec/U.S. Law Conference, Washington DC, in March 2010, and will present "*International Risk Analysis*" at the ISS Conference in New York City on 12 October 2010.

Intellectual Property

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James Casey

University of Texas at San Antonio

James Casey is Director of the Office of Contracts and Industrial Agreements (OCIA) at The University of Texas at San Antonio (UTSA). Building upon 17 years experience in research and grant administration, in his current role he established and manages the OCIA, negotiates research and sponsored project agreements, and expands industrial partnerships. OCIA provides the full range of contract services to UTSA's research community. He also represents the Vice President for Research on the campus International Advisory Committee and was instrumental in achieving UTSA-Southwest Research Institute (SwRI) membership in the Government-University-Industry Research Roundtable (GUIRR). He is a university co-Chair for the upcoming July 2010 International Research Collaborations workshop convened by GUIRR. Prior to joining UTSA in June 2008, Jim held the position of Visiting Professor of Leadership at the Upper Iowa University campus in Hong Kong, China.

His research administration career includes tenures at large and medium size universities, most notably Northwestern University and the University of Wisconsin-Madison. Beyond research administration, his background includes local government administrative experience in Ohio and Wisconsin, and adjunct teaching at five universities. He maintains interests in transportation and public planning, with two books published by the American Public Works Association.

Licensed to practice law in Wisconsin since 1990 and a former practitioner, Jim is currently a member of the State Bar of Wisconsin Communications Committee. In that role, he is on the editorial board for the Wisconsin Lawyer magazine.

Jim is a 2009 recipient of the NCURA Distinguished Service Award (National Council of University Research Administrators). He is currently Senior Editor of NCURA Magazine and an ex-officio member of the Professional Development Committee. He is past Editor of its Research Management Review, past member of the National Board of Directors, former Chair of the International Neighborhood, former member of its International Commission, and past member of the Professional Development Committee. He was on the planning committee for the 2003 University-Industry Conference and has given numerous presentations and workshops for NCURA and other organizations.

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He holds a B.A. cum laude in political science from the University of Wisconsin-Whitewater; M.A., international political economy, from Marquette University; M.P.A., urban administration, from the University of Dayton; and J.D. from the University of Dayton School of Law. While in law school he was a member of the Dayton Law Review and currently is on the board of advisors for the University of Dayton, School of Law Program in Law and Technology.

Intellectual Property

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Brian Warshawsky

Northwestern University

Brian Mitchell Warshawsky is licensed to practice law in Michigan, Illinois, and Florida, and has over 20 years of experience negotiating complex agreements with the major companies and governments from all over the world. He currently serves as the Senior Contracting Officer for Northwestern University's Office for Sponsored Research. In his current position he focuses on contract negotiations and regulatory compliance including issues of foreign national participation in research and export controls. He serves on the University's Compliance Committee as their subject matter expert on export controls, and has served on the AAU/COGR troublesome clauses taskforces as well as participated as a panelist and presenter for COGR, NCURA and NACUA programs on export controls. Prior to joining Northwestern University, Mr. Warshawsky served in a similar capacity for the Gas Technology Institute, the energy research think tank, located in Des Plaines, Illinois.

Intellectual Property

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Brian Fitzgerald

Queensland University of Technology

Brian Fitzgerald studied law at the Queensland University of Technology graduating as University Medallist in Law and holds postgraduate degrees in law from Oxford University and Harvard University. He is well known in the areas of Intellectual Property and Internet Law and has worked closely with Australian governments on facilitating access to public sector information. Brian is also a project lead of Peer to Patent Australia www.peertopatent.org.au and The Legal Framework for eResearch. From 1998-2002 he was Head of the School of Law and Justice at Southern Cross University in New South Wales, Australia and from January 2002 – January 2007 was appointed as Head of the School of Law at QUT in Brisbane, Australia. Brian is currently a specialist Research Professor in Intellectual Property and Innovation at QUT, Honorary Professor at City University of London and Chief Investigator in the ARC Centre of Excellence for Creative Industries and Innovation. In 2009 Brian was appointed to the Australia Government's "Government 2.0 Taskforce" by Ministers Tanner and Ludwig and to the Advisory Council on Intellectual Property (ACIP) by Minister Carr.

Export Controls

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Giulia del Brenna
European Commission

Giulia Del Brenna has worked as an Administrator in the European Commission since April 1996 in a number of positions.

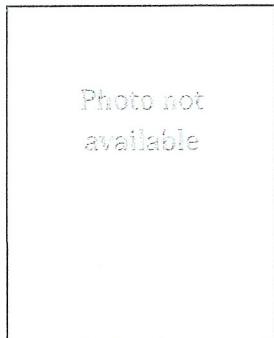
She has followed developments in European Pharmaceutical Policy since being appointed Assistant to the Director-General in May 2005. She has been appointed Head of the Unit “Competitiveness in the Pharmaceuticals industry and Biotechnology” in October 2008. Since then, she has been in charge of the dialogue with the Pharmaceuticals and Biotech industry as well as the cooperation among Pricing and Reimbursement authorities in the European Union.

She is currently preparing for the next High Level Dialogue on Pharmaceuticals (Members States, Industry and relevant stakeholders – follow-up of the Pharma Forum <http://ec.europa.eu/pharmaforum/>) and exploring options to increase access to finance for small and medium biotech companies, including via a public-private partnership between industry and European public financial institutions.

Export Controls

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Steven W. Pelak

U.S. Department of Justice

Steve currently serves as the Deputy Chief of the Counterespionage Section of the Department of Justice and as the Justice Department's National Coordinator for Export Enforcement. In October of 2007, Steve was appointed as the Justice Department's first National Coordinator for Export Enforcement. In that position and as Deputy Chief of the Counterespionage Section, he supervises investigations and prosecutions of export control and embargo violations across the country along with espionage and other national security investigations and prosecutions.

Before assuming his current role at the Department of Justice, Steve served as an Assistant United States Attorney in the District of Columbia for more than 18 years, beginning in February 1989. Steve served as a supervisor and line-prosecutor in, among other sections of that Office, the National Security Section and the Public Corruption & Government Fraud Section. As an AUSA, Steve investigated and prosecuted federal criminal offenses ranging from export control violations, terrorism matters within the United States, federal and local corruption matters, labor union corruption, to overseas murders and hostage takings of U.S. citizens.

Steve became an AUSA after several years in private practice as a lawyer for the law firms of Arnold & Porter and Hughes Hubbard & Reed in Washington, D.C. Before that, he served as a judicial law clerk for the Honorable Douglas W. Hillman, Chief Judge of the United States District Court for the Western District of Michigan. Steve graduated cum laude from Kalamazoo College and the University of Michigan Law School in 1982 and 1985, respectively.

As an AUSA, Steve prosecuted a wide breadth of cases. For instance, in 1993 and 1994, Steve prosecuted the "MPD Dirty Dozen," a case involving 12 corrupt local police officers. From 1995-1997, Steve worked on a specially constituted task force investigating and prosecuting federal officials in relation to what became known as the Ruby Ridge incident. In the U.S. Attorney's Office, Steve has handled a number of terrorist investigations and prosecutions. In August of 1998, Steve was dispatched by the Deputy Attorney General to Nairobi, Kenya and Dar-es-Salaam, Tanzania to assist in the initial stage of the investigation of the August 1998 East African embassy bombings. He has also investigated and prosecuted one of the Office's most significant white collar investigations in recent years against the President and other top leaders of the International Ironworkers Union as well as accountants, lawyers,

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and professional advisors to the international labor union and its trust funds.

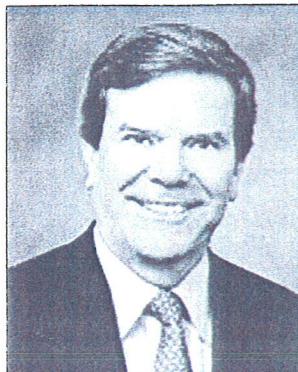
With regard to export control and embargo investigations and prosecutions, Steve has been involved in a number of significant criminal investigations and prosecutions. Among those investigations and prosecutions have been matters involving the unlawful provision of defense services to the Chinese government by U.S. satellite companies and the illegal export of nuclear triggering devices to Pakistan. Steve also handled the criminal investigation of one of the world's largest international banks, ABN AMRO Bank, for its violations of the Iranian Transactions Regulations, other OFAC sanctions, and anti-money laundering provisions of the U.S. Code, a matter resulting in a deferred prosecution agreement under which the Bank agreed to pay \$500,000,000 as a forfeiture to the United States and to undertake other remedial actions.

Beginning in September 2001 until his departure from the U.S. Attorney's Office in 2007, Steve served as the Anti-Terrorism Coordinator within the U.S. Attorney's Office for the District of Columbia. He has spoken and taught at numerous training courses and seminars, including for the National Institute for Trial Advocacy, the FBI Academy, the Customs/ICE Service Academy, the U.S. Secret Service, the U.S. Capitol Police, the Department of Commerce/Bureau of Industry and Security, the U.S. Department of Labor/Office of Labor-Management Standards, the Joint Terrorism Task Force and other Squads of the FBI-Washington Field Office, the Counterintelligence Division and WMD Directorate of the FBI, the American Bar Association, the American Conference Institute, the Practicing Law Institute, various export trade associations, and many others.

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Richard Johnson

Arnold & Porter LLP

After 30 years in Arnold & Porter LLP's Washington, DC office, Rick Johnson retired as a senior partner, but continues an active practice as senior counsel. He focuses his practice on: legal and regulatory issues related to research and innovation—especially in biotechnology and the life sciences, nanotechnology, energy technology, and next-generation information technology; and international trade, intellectual property, national security, export controls, and global regulatory matters related to fundamental research, entrepreneurship, and innovation.

Mr. Johnson also is engaged in broader policy issues that focus on: strategic policy issues related to innovation, the globalization of research and development, intellectual property policy, technology standards, knowledge markets, intellectual assets for value creation, and public-private partnerships; the internationalization of the research university and public-private research networks; and international health, eco-innovation (energy/environment), nanotechnology, and science policies.

He formerly served as General Counsel for International Trade at the US Commerce Department, where he was responsible for both US trade policy and international technology issues. In addition to receiving his Juris Doctor degree from the Yale Law School where he was Editor of the *Yale Law Journal*, he received his Master's degree from the Massachusetts Institute of Technology (MIT) where he was a National Science Foundation National Fellow and his undergraduate degree with Highest Honors from Brown University.

Mr. Johnson serves as the Chairman or Vice-Chairman of four Organisation for Economic Co-operation and Development (OECD)/ Business and Industry Advisory Committee to the OECD Committees and Task Forces: Biotechnology and Health Innovation, Nanotechnology, Intellectual Property, and Technology Innovation; Chairs the US Council for International Business Biotechnology Committee; and Co-Chairs the United States Council for International Business Nanotechnology Task Force. He also is a member of the MIT Corporation Visiting Committee, Brown's Advisory Council on Biology and Medicine, and several advisory groups exploring new approaches to university-industry-government relationships and to innovation and translational research. He participates on several advisory groups at the National Academy of Sciences, and serves as Co-Chair of the new National Academies' project on synthetic biology. Mr. Johnson also participates on World Bank innovation initiatives and US State Department international science projects.

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Steve Eisner

Stanford University

Steve Eisner has served as Stanford University's Export Control Officer since January 2006, overseeing institutional compliance with export controls (EAR, ITAR) and trade sanctions regulations (OFAC) for both Stanford and the SLAC National Accelerator Laboratory. Steve began his career in Washington, D.C. as a budget officer for international trade programs at the Office of Management and Budget (OMB) and as an export control specialist at the law firm of Arnold & Porter. Prior to his present position, he worked as an export control specialist at a global immigration law firm in San Francisco where he focused on deemed export issues for corporate clients involving the transfer of technology to foreign national employees. Steve has served as an export control consultant to various Silicon Valley-based high tech companies and the California Energy Commission's Public Interest Energy Research (PIER) program. He is the past President of the Association of University Export Control Officers (AUECO) and a current AUECO Board Member. Steve is also a frequent export control workshop presenter for various national organizations including the National Academies, the American Conference Institute and the National Council of University Research Administrators (NCURA). He holds a B.A. from Stanford University and a Master of International Affairs from Columbia University's School of International and Public Affairs (SIPA), where he was Associate Editor of Columbia's Journal of International Affairs.

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Mike Gold

Bigelow Aerospace

Mike Gold currently serves as Bigelow Aerospace's Director of D.C. Operations & Business Growth. Mr. Gold is responsible for a broad array of activities at Bigelow Aerospace including international business development; export control; media, corporate, and federal relations; as well as NASA Space Act Agreement implementation, patent report maintenance, and general strategic planning. Prior to joining Bigelow Aerospace in a full-time capacity, Mr. Gold previously assisted the company as an attorney in the Washington office of Patton Boggs, LLP. While at Patton Boggs Mr. Gold supported several clients in high-tech and education-related fields with a specialty in advanced aerospace ventures. Mr. Gold has also served as a state aerospace business development officer, an attorney in the Washington office of McGuire Woods, LLP, and as a summer law clerk at NASA Langley Research Center. In September of 2008 Mr. Gold was appointed by the Secretary of the U.S. Department of Transportation to serve on the Commercial Space Transportation Advisory Committee ("COMSTAC"). As part of his appointment, Mr. Gold chairs the COMSTAC's Export Controls Working Group. Mr. Gold is a member of the District of Columbia and New York State Bar Associations, and graduated from the University of Pennsylvania Law School where he founded and served as the first Coordinating Editor of the Journal of Constitutional Law. Mr. Gold has written three law review articles on the topic of export control and commercial space, "*Lost in Space: A Practitioner's First-Hand Perspective on Reforming the U.S.'s Obsolete, Arrogant, and Counterproductive Export Control Regime for Space-Related Items and Technologies*", published in the *Journal of Space Law*, Volume 34, 2008; "*The Wrong Stuff: America's Aerospace Export Control Crisis*", published in the *Nebraska Law Review*, Volume 87, 2008; and, "*Thomas Jefferson, We Have a Problem: The Unconstitutional Nature of the U.S.'s Aerospace Export Control Regime as Supported by Bernstein v. U.S. Department of Justice*", published in the *Cleveland State Law Review*, Volume 57, 2009.

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Emmanuel de Lipkowsky

Centre National d'Études Spatiales, Embassy of France

Before being appointed Space Attaché and CNES Representative in the French Embassy in the US in June 2007, Emmanuel de Lipkowsky served as Counsellor for bilateral relations with the American Continent for the French space agency, the Centre National d'Études Spatiales (CNES) from the 1st January 2007 to the 10th June 2007.

From 2003 to 2006 Emmanuel de Lipkowsky served as General Secretary of the French Parliamentary Space Committee (Staffer of the French Assemblée Nationale and Senate). Reporting to the Chairman and the MP's of the French Parliamentary Space Committee his role was to oversee analysis and support to the Space Committee, including budget, industrial procurement, and deferent space programme issues. During the year 2006, Emmanuel de Lipkowsky was part of the team dedicated to the preparation of the parliamentary report *"Space Policy: Daring or decline, how to make Europe world leader in the space domain"* issued from the French *"Parliamentary Office for Scientific and Technological Assessment"* members; the Hon. Christian Cabal, Member of the Parliament, and the Hon. Henri Revol, Senator. Emmanuel de Lipkowsky was also Secretary of the French Parliamentary delegation to the European Interparliamentary Space Conference (EISC). He was coordinator of the 7th EISC, Paris 12 – 15 June 2005 *"the new vision of international cooperation"*. The EISC was established in 1999 as a permanent forum for cooperation between the European national parliaments.

Before joining the Parliament, he was appointed by the European Commission in Brussels from 1998 to 2002. Between 1998 and 2000, Emmanuel de Lipkowsky was member of the Space Coordination Unit of the European Commission Under the responsibility of the Directorate General of the European Joint Research Center (JRC). The unit role was to insure an oversight and evaluation of the future European Space Policy, including the dialogue between the European Commissions Directorate on space issues, the European Space Agency, the national space agencies and the European space industry. Between 2000 and 2001, Emmanuel de Lipkowsky was Secretary of the *Global Monitoring for Environment and Security (GMES)* programme working group. And between 2001 and 2003, Emmanuel de Lipkowsky was member of the Science Strategy Unit of the JRC, in charge of preparing the sustainable development indicators for the 2002 Johannesburg Summit. From 1996 and 1998 was appointed by Prospace, subsidiary of the

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French space agency (the CNES) in charge of French space industrialists promotion, and the Nation Agency for Research and Techniques

Emmanuel de Lipkowski other areas of involvement included international space cooperation, aerospace industry, history, art, literature, and international relations. He was selected by the US Embassy in Paris for the *"international leadership visitor programme"*, session 2004, dedicated to space policy. Emmanuel de Lipkowski is member of the Jefferson Club. Emmanuel de Lipkowski is graduated with a Master of International Relations of the Free University of Brussels (ULB), and a Master of international trade from the CESI. Emmanuel de Lipkowski is a reserve officer graduate from the French Special Military School of St Cyr Coetquidan, and graduate from the Army reserve for command and staff officers' high school. He is serving in the French Army headquarters. His hobbies are scuba diving, horse riding, and running.

Legal Issues and Agreements

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Patrick Schlesinger

University of California, Berkeley

Patrick Schlesinger leads the Office of Research Administration and Compliance at UC Berkeley. That office includes Berkeley's Office for the Protection of Human Subjects, Office of Animal Care and Use, the Conflict of Interest Committee, and the Sponsored Projects Office. The office also provides support to the campus on export control issues. Prior to joining UC Berkeley in December 2008, Mr. Schlesinger served as the systemwide Director of Research Compliance at the UC Office of the President.

Mr. Schlesinger joined the University in September 1996 and worked in the Office of the General Counsel, first as a University Counsel and then as the Group Leader of the Environmental Law Group. He then joined the Office of Research within UC's Office of the President as the first Director of Research Compliance in August 2005. Prior to joining UC, Mr. Schlesinger was a partner in the San Francisco law firm of Landels, Ripley and Diamond and worked as a staff attorney for the U.S. Environmental Protection Agency's Office of General Counsel and Office of Air and Radiation in Washington, D.C.

Mr. Schlesinger has co-authored publications for the American Bar Association and the National Association of College and University Attorneys (NACUA) and has been a speaker at national and regional conferences of NACUA and the National Council of University Research Administrators.

Legal Issues and Agreements

I-Group Workshop – Speaker Biography

July 26-27, 2010



William F. Ferreira

Hogan Lovells LLP

William Ferreira's practice covers a broad range of government grants and contracts compliance and regulatory issues. A significant portion of his practice involves representation of colleges, universities, and other institutions engaged in federally sponsored activity. Bill has worked with numerous organizations on matters involving audits, investigations, and disputes with the federal government regarding costs and administration of grants, cooperative agreements, and contracts. He regularly advises organizations on direct and indirect cost recovery; risk mitigation; compliance with OMB Circulars; flowdown obligations; rights to intellectual property; and agency-specific policies addressing the financial and administrative management of federal projects.

Bill also advises clients on the drafting and negotiation of a wide range of contractual instruments, including subawards and subcontracts, teaming agreements, nondisclosure agreements, and other unique contractual arrangements. Bill assists organizations with legislative and regulatory rules, and he works with government contractors on bid protests and on the development of compliance programs.

In addition, Bill has done significant work for institutions on the operational aspects of conducting federally sponsored and other activity overseas. His experience involves the operational and business aspects of setting up programs abroad (including in developing countries), and addressing the unique challenges of global operations and foreign collaborations, including foreign registrations, Memoranda of Understanding, foreign tax exemption, international contracting, overseas employment, risk mitigation, and subrecipient monitoring.

Bill received his B.A., *summa cum laude*, from the University of Notre Dame and his J.D., *magna cum laude*, *Order of the Coif*, from Georgetown University Law Center.

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Jamie Lewis Keith

University of Florida

Jamie Lewis Keith is Vice President and General Counsel of the University of Florida, a position she assumed in October 2006. In this position, Ms. Keith is responsible for all of the legal affairs of this large public research university and leads the university's General Counsel's Office*. Ms. Keith is also a member of the Board of the Council on Governmental Relations, which provides policy advice to research universities and academic medical centers on a broad range of issues affecting academic and hospital research.

From July 1999 until her appointment at the University of Florida, Ms. Keith was the Senior Counsel of the Massachusetts Institute of Technology, establishing and leading the Institute's first primary counsel's office and providing or overseeing legal services in a broad range of areas to MIT's President, Provost, other senior officers, board, and academic and administrative departments. At MIT, Ms. Keith was also Managing Director for Environmental Programs and Risk Management, a role in which she was responsible for comprehensive enterprise risk assessment and for overseeing MIT's environmental programs and environment, health and safety offices.

Prior to joining MIT, Ms. Keith was a junior partner at the Boston law firm of Hale and Dorr LLP (now Wilmer Cutler Hale and Dorr LLP), and then in former Governor William Weld's Administration as the Assistant Commissioner and General Counsel of the Division of Capital Asset Management, a Massachusetts state agency.

Ms. Keith graduated with distinction in all subjects from Cornell University, College of Arts and Sciences, and magna cum laude from Boston University School of Law, where she was an outside Article Editor on the Law Review. Ms. Keith clerked for the Honorable Bailey Aldrich on The United States Court of Appeals for the First Circuit. She was an art history major at Cornell, concentrating in Asian art history and Chinese Language.

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Astrid-Christina Koch

Delegation of the European Commission

Astrid-Christina Koch is Science Counselor of the "Science, Technology and Education" section at the Delegation of the European Commission (EC) in Washington DC. She works towards better awareness of funding opportunities, bringing teams together to strengthen transatlantic research cooperation and promotes networking and mobility of researchers. Prior to this assignment she was employed as Program Officer for Advanced Materials in Research Directorate of the European Commission. Before joining the Commission she worked as senior managing scientific officer in the German Ministry of Finance and as lecturer and chemist at the German Customs Science & Training Center. Astrid holds a Ph.D. in Natural Sciences from Kiel University.