Miami-Florida Jean Monnet Center of Excellence
European and Eurasian Studies Program

A Jean Monnet Project

Accelerating Smart Cities
Environment, Safety, Transport, Utilities & Buildings

Wednesday, April 20, 2016 | 8:30 AM – 10:30 AM | Gray Robinson, Attorneys at Law |
333 SE 2nd Avenue, Suite 3200, Miami, FL 33131

WORKSHOP PARTICIPANTS: BIOGRAPHICAL NOTES

Moderator

Dr. Robin Mishra
Minister-Counselor
Head of Section Science and Technology
Embassy of the Federal Republic of Germany, Washington DC

Dr. Robin Mishra has served as Head of the Science and Technology Section of the German Embassy in Washington, D.C., since September 1, 2015. He studied law at the Universities of Münster and Paris. After completing his Ph.D. and legal training, he was an assistant to the CEO of the RTL Group, Europe's largest broadcasting company. After working as a TV journalist for Westdeutscher Rundfunk (WDR), he switched roles in 2001 to become a Berlin correspondent for the weekly newspaper Rheinischer Merkur.

His commitment to transatlantic cooperation and understanding dates back to 2004 when he received an Arthur F. Burns Journalism Fellowship and wrote for the Chicago Tribune. Following this experience, he became Berlin Bureau Chief for the Rheinischer Merkur. Dr. Robin Mishra was awarded the Arthur F. Burns Prize in 2005 and the Roman-Herzog-Medienpreis in 2009 for his articles. He is also author of various political books. In 2010, he joined the German Federal Ministry of Education and Research (BMBF) in Berlin and served the Federal Ministers Annette Schavan and Johanna Wanka as Spokesman and Head of Press and Strategic Communications.

- See more at: http://www.germaninnovation.org/about-us/gcri-advisory-council#sthash.u1Jh5jT2.dpuf

Panelists

Dr. James Gavigan
Minister Counselor for Research and Innovation, and Head of the Science, Technology, and Innovation Section
Delegation of the European Union to the United States, Washington DC

James has been an official of the European Commission since 1990. Since September 2012, he has been Minister-Counsellor and Head of the Science, Technology and Innovation section at the European Union's Delegation to the United States of America in Washington DC. His main role is to facilitate scientific cooperation between the EU and the US at both government-agency and stakeholder levels. Current priorities include marine/ Arctic sciences, materials, health and transportation research as well as innovation-related aspects of other EU-US areas of policy dialogue - e.g. the Transatlantic Trade and Investment Partnership. He also oversees cooperation between US-based EU Member State Science Counsellors, undertakes outreach and promotional activities as well as fulfilling regular Counsellor duties.

Prior to his posting to the US, James worked in a number of different EU science policy positions including eight and a half years (1995-2003) at the Institute for Prospective Technological Studies in Seville, Spain and six years (2006-2012) as Head of the European Commission's European Research Area (ERA) Policy Unit. From 1985 to 1990, he worked as a research physicist mainly in Ireland and France. James has bachelors (1985) and doctoral degrees in physics (1988) from Trinity College Dublin, and a master's in public administration (2003) from the University of Warwick. He speaks English, French, Spanish and some Irish and Italian.

Dr. S.S. Iyengar
Ryder Professor and Director
School of Computing and Information Sciences
Florida International University

S. S. Iyengar is a Distinguished Ryder Professor and Director of the School of Computing and Information Sciences at Florida International University, Miami. Dr. Iyengar is a pioneer in the field of distributed sensor networks/sensor fusion, computational aspects of robotics and high performance computing. He has published over 500 research papers and has authored/edited 22 books published by MIT Press, John Wiley & Sons, Prentice Hall, CRC Press, Springer Verlag, etc. These publications have been used in major universities all over the world. His research publications are on the design and analysis of efficient algorithms, parallel computing, sensor networks, and robotics. He is also a member of the European Academy of Sciences, a Fellow of IEEE, a Fellow of ACM, a Fellow of AAAS, and a Fellow of Society of Design and Process Program (SPDS), Fellow of Institution of Engineers (FIE), awarded a Distinguished Alumnus Award of the Indian Institute of Science, Bangalore, and was awarded the IEEE Computer Society Technical Achievement for the contributions to sensor fusion algorithms, and parallel algorithms. He has received a Lifetime Achievement Award conferred by International Society of Agile Manufacturing (ISAM) in recognition of his illustrious career in teaching, research and administration and a lifelong contribution to the fields of Engineering and Computer Science at Indian Institute of Technology (BHU). In 2012, Iyengar and Nulogix were awarded the 2012 Innovation-2-Industry (i2i) Florida Award. Iyengar received a Distinguished Research Award from Xaimen Uiversity, China for his research in Sensor Networks, Computer Vision and Image Processing. Iyengar's landmark contributions with his research group include the development of grid coverage for surveillance and target location in distributed sensor networks and the Brooks Iyengar fusion algorithm. He has also been awarded Honorary and Doctorate of Science

and Engineering Degree. He serves on the advisory board of many corporations and universities around the world. He has served on many National Science Boards such as NIH - National Library of Medicine in Bioinformatics, National Science Foundation review panel, NASA Space Science, Department of Homeland Security, Office of Naval Security, and many others. His contribution to the US Naval Research Laboratory was a centerpiece of a pioneering effort to develop image analysis for science and technology and to expand the goals of the US Naval Research Laboratory. The impact of his research contributions can be seen in companies and National Labs like Raytheon, Telecordia, Motorola, the United States Navy, DARPA, and other US agencies. His contribution in DARPAS's program demonstration with BBN, Cambridge, Massachussetts, MURI, researchers from PSU/ARL, Duke, University of Wisconsin, UCLA, Cornell university and LSU has been significant. He is also the founding Editor of the International Journal of Distributed Sensor Networks. He is presently the Editor of ACM Computing Surveys and other journals. He is also the founding director of the FIU's Discovery Laboratory. His research work has been cited extensively. Iyengar has graduated over 45 Ph.D. students, hundreds of Masters Students and has placed a large number of Post-doctoral fellows at various institutions in the world. He has also had many undergraduate students working on his research projects.

His fundamental work has been transitioned into unique technologies. All through his three-decade long professional career, Iyengar has devoted and employed mathematical morphology in a unique way for quantitative understanding of computational processes for many applications.

Dr. Karen Lee, MD, MHSc
Health + Built Environment + Social Determinants Consulting, based in NY & NJ
Special Advisor, World Health Organization offices
Adjunct Professor, Schools of Public Health
University of Toronto and University of Alberta, Canada
Course Instructor and Lecturer, Columbia University, NYC

Dr. Karen Lee is a healthy built environment and health policy advisor/consultant. She helps cities and organizations use the built environment – our buildings, streets, and neighborhoods – and other determinants of health to address the epidemics of obesity and Non-Communicable Diseases. Previously, she directed NYC Health Department's Built Environment Program for over 8 years, worked as a Deputy Medical Officer in public health departments in Canada, and was an Epidemic Intelligence Service Officer with the US CDC. She also advises WHO offices and is an Adjunct Professor of Public Health at the University of Toronto and the University of Alberta. http://www.drkarenlee.com/

Danilo Nanni, PE
Associate, DeSimone Consulting Engineers
Structural Engineer, Expert in Smart Building Structures

Mr. Nanni joined DeSimone in 2006 and currently holds the position of Associate. Mr. Nanni has extensive experience in healthcare, hotels, mixed-use, and residential projects.

Mr. Nanni is currently working on the Miami World Center project, which includes a 3.5 million sf retail and garage space and a 704-ft-tall residential tower. His other active projects include the Panorama Tower, a 2.6 million sf, 830 ft super high-rise residential tower, and the Brickell Flatiron, a 65-story, 700-ft-tall residential tower.

Mr. Nanni's past experience includes the design of Biscayne Landing, a 5.6 million sf mixed-use project made up of four quadrants bisected by elevated roadways and plazas; Al Ain Wildlife Park Resorts & Residences project in the United Arab Emirates, a 1.5 million sf new community surrounding the newly revamped wildlife park; the Guaynabo City Hospital, a 160,000 sf hospital with the most advanced healthcare facility in Puerto Rico; and Epic, a 1.4 million sf condominium/hotel complex.

Mr. Nanni received his bachelor's degree in Structural Engineering from the Polytechnic in Milan, Italy, and he holds a master's degree in Business Administration from the University of Miami, Florida.

Prof. Haydn Thompson
Managing Director
Thinkk Wireless Technologies Ltd

Professor Haydn Thompson, BSc, PhD. CEng has over 25 years' experience working in a mixture of senior industrial research and development roles in flight control systems, space programmes and signal processing applications for leading companies. For nearly 20 years he was the Programme Manager of the Rolls-Royce Control and Systems University Technology Centre. Currently he is Managing Director and Owner of THHINK Wireless Technologies Ltd., a Director of THHINK Wireless Technologies Japan Ltd. as well as being Managing Director and Owner of Haydn Consulting Ltd. He is recognised and used by the European Commission and European Parliament as an expert in many fields and is a consultant to a range of companies and government bodies including Rolls-Royce Aerospace, Rolls-Royce Marine, Rolls-Royce Nuclear Submarines, Rolls-Royce Civil Nuclear, the MoD, the TSB and Formula 1 Racing. He defines strategic technology roadmaps across Europe. He is Chair of a European Working Group on Cyber Physical Systems of Systems for Transport and Logistics covering aerospace, automotive, rail, maritime and logistics. He has run many research programmes with Rolls-Royce, was the co-ordinator of the EU FLEXICON project, led work on the More Electric Aircraft in the Airbus/EU MOET project, led consortia in the Airbus WICAS and SWIFT projects and has also run research programmes with Network Rail on remote infrastructure monitoring.

He has over 100 publications on applications of smart distributed systems, multi-disciplinary multi-objective optimisation, gas turbine engine control, fault diagnosis and health monitoring, wireless communications, smart sensors, energy harvesting, rapid prototyping and co-simulation. He has also written two books on gas turbine engine control. He is, or has been, a member of the International Federation of Automatic Control's (IFAC) International Aerospace Control, Mechatronics and Real-Time Computing and Control Committees being chair of Embedded Systems, the Institution of Electronic and Electrical Engineers Aerospace Committee, and IET representative on the Learned Society Board of the Royal Aeronautical Society. He is a member of the American Institute of Aeronautics and Astronautics.