INTER-DISCIPLINARY FELLOWS (IDF)

of the

International Institute of Informatics and Systemics (IIIS)

(Ordered Alphabetically)

Selected from about 5000 members of the IIIS: Their selection is based on their contribution to inter-disiplinarity and inter-disiplinary communication.

Dr. Melissa R. Allen-Dumas, USA, Oak Ridge National Laboratory, Urban Dynamics Institute and The Climate Change Science Institute

Dr. Melissa Allen-Dumas is a Research Scientist in the Computational Sciences and Engineering Division at Oak Ridge National Laboratory, and leads the Impacts, Adaptation, and Vulnerability theme within the Climate Change Science Institute. She holds a PhD degree in Energy Science and Engineering, a MS degree in Environmental Engineering, a BME in Music Education (violin), and a private pilot license. Her expertise includes global modeling and analysis of atmospheric species transport, statistical and dynamical downscaling of various climate model output, and analysis of direct and indirect effects of climate change on electricity demand and on other national and civic critical infrastructures.

Dr. Bobbe Baggio, USA, La Salle University, Director, Graduate Program in Instructional Technology Management, Associate Dean Graduate Programs and Online Learning at American University, CEO of Advantage Learning Technologies

Dr. Baggio is an accomplished author, speaker and educator. Her specific expertise is in how people learn and how to use technologies to help them learn. Her company Advantage Learning Technologies, Inc. (ALT) has provided ID services and implemented projects for clients in finance, healthcare, gasses and chemicals, manufacturing, distribution, construction, government and higher education. A more detailed list of clients can be found on her web site at http://www.bobbebaggio.com/ Bobbe provides programs and products so that people who are trying to use technology for teaching and learning can do so effectively. She is currently CEO at Advantage Learning Technologies and speaks regularly to organizations and companies around the globe. Bobbe's prior experience includes being an Associate Provost, Dean, Director of the Graduate Program in ITM, Senior Scientist, Management Consultant, Director of IT, VP Software Development and educator. Her education includes a BA from Waynesburg College, MA from West Virginia University, MS from Lehigh University and PhD Capella University.

Professor Olga Bernikova, Russia, Saint Petersburg State University, Research Laboratory for Analysis and Modeling of Social Process.

Dr. Olga Bernikova is working as the Associate Professor at the Arabic Philology Department of Saint Petersburg State University, Russia. She is member of the Research Laboratory for Analysis and Modelling of Social Process and member of editorial board of the journals “Islam in the Modern World”, "Arabic Studies in Eurasia". Dr. Bernikova received her Ph. D. degree in the Dialects of the Arabian Peninsula in 2002. Her current research interests include Arabic Linguistics, Corpus Linguistics, ICT in Arabic Learning and Research, Islamic Studies. She published 6 textbooks and more than 100 papers. She is one of the authors of two online courses on the Arabic language and has two inventions.

Professor Adream Blair, USA, University of Wisconsin, College of Design, Architecture, Art and Urban Planning, Co-Area Head, Design & Visual Communication, Associate Professor, of Design & Visual Communication and Digital Fabrication & Design

Adream Blair is an Associate Professor of Art and Design at the University of Wisconsin-Milwaukee where she develops cross-disciplinary design research initiatives and curricula for the Design and Visual Communication department. She teaches participatory research methodologies and principles of universal design in a cross-disciplinary classroom. Most recently, Adream has focused on bringing new and emerging technologies to the classroom to solve complex problems.

Dr. Risa Blair, USA, Purdue University Global, USA, eLearning Instructional Designer, Education Management, Instructional Associates, Director of HR and Operations

Dr Risa Blair is Passionate leader and trainer with extensive experience in higher education and corporate settings, including project management, curriculum development and delivery for face-to-face and online settings. Exceptional skills in facilitating content delivery to meet the needs of the client. She is a Strong proponent of utilizing real world experience and technology to promote and reinforce learning, as well as to meet required outcomes. Easily able to deliver technical content to non-technical audiences. Quality Matters trained online course reviewer.

Dr. Robert Cherinka, **USA,** MITRE Corporation, Chief Engineer, Software Engineering Technical Center at MITRE.

Dr. Robert Cherinka is the Chief Engineer of the Software Engineering Technical Center for the MITRE Corporation. His expertise is in software, systems and process engineering, with a focus toward software quality and agile development technologies. Bob earned a Ph.D. and M.S. in computer science from Old Dominion University, Norfolk, Virginia, and a B.S. in computer science in 1987 from the University of Pittsburgh. Bob served 6 years as a software engineer in the US Air Force, before joining MITRE in 1993.

Professor Hsing-Wei Chu, USA, Lamar University, Chair of The Department of Mechanical, Engineering, Piper and University Professor, William G. Lesso Memorial Award, International Institute of Informatics and Systemics (IIIS), 2015.

After being honored in 2002 as a Piper Professor, an elite statewide honor bestowed by the Minnie Stevens Piper Foundation, Professor **Hsing-Wei Chu was awarded the** William G. Lesso Memorial Award of International Institute of Informatics and Systemics (IIIS), 2015. Professor Lesso was Dr. Chu´s professor while he was working on his PhD at the University of Texas at Austin. The areas of his research and teaching interests are Operations Research, Statistical Decision Analysis, Network Flow. He published more than 100 articles and co-chaired conference for many years. He always distinguished as an excellent professor. Besides the award just mentioned he was granted the following ones:

- University Professor, 2004
- Faculty Advisor of the Year, Lamar University 2009-2010
- IE Leadership Award – International Institute of Informatics and Systemics 2009
- Lamar University 1998-1999 Teaching Bonus Award
- Lamar University 1996-1997 Teaching Bonus Award
- Lamar University 1994-1995 Teaching Bonus Award
- Lamar University AIIE Outstanding Faculty Awards, 1981, 1986
- ALCOA Faculty Development Awards – 1984, 1987

Professor John Coffey, USA, University of West Florida, Computer Science Department, Former Research Scientist at Florida Institute for Human and Machine Cognition

Dr. John W. Coffey holds a B.S. in Psychology from the College of William and Mary (1971), a B.S. in Systems Science (1989), an M.S. in Computer Science/Software Engineering (1992), and an Ed.D. with an emphasis in Computer Science (2000) from the University of West Florida (UWF). He was one of the first members of the Institute for Human and Machine Cognition (IHMC) and he has worked with that organization for many years. He has been in the Department of Computer Science at the University of West Florida since 1992, starting as a Lecturer and working his way up to his current rank of Professor. He has published a total of more than 100 refereed journal articles, book chapters, technical reports, and conference proceedings. His research interests include knowledge elicitation and representation, web services, and Service Oriented Architecture, advanced technology for education, and computer science education.

Professor Detlev Doherr, Germany, University of Applied Sciences, Director of the Steinbeis Transfer Center of Information Technologies, Offenburg

Dr. Detlev Doherr has been Professor of Computer Science and Geoinformatics at the University of Applied Sciences Offenburg, Germany, since 1990. He received his diploma and Doctorate from the Georg August University of Göttingen, Germany, in 1983. After his studies he worked in the headquarter of the German rock salt and potash industry as a geoscientist until 1990, where he developed a Geographic Information System for the mining and geology sector together with IBM Germany. In 1990 he was called as professor at the University of Applied Sciences Offenburg, where he taught the subjects Informatics, applied computer science and GIS and built up and managed the university‘s computer centre. In 1992 he founded the Steinbeis Transfer Center for Information Technologies (STZIT) in Offenburg, which is part of the German Steinbeis Foundation. Under his leadership, the activities of STZIT focus primarily on project-related research and development work for small and medium-sized enterprises in the fields of information technology,

process automation, security and IT support. Since 1990 he has worked on numerous national and international research projects on the development of digital libraries, internet portals and virtual environments. In addition, he is prinicipal investigator of a program for development of concepts for academic continuing education on level of bachelor and master, funded by the European Social Fund (ESF) and the Ministry of Science, Baden-Württemberg.
Dr. Doherr is honorary member of the national professional association BDG (Berufsverband Deutscher Geowissenschaftler) and has held the title "European Geologist" of the professional association EFG (European Federation of Geologists), Brussels, since 2005.

Dr. Matthew E. Edwards, USA, Alabama A&M University, Professor of Physics and Former Dean, School of Arts and Sciences

Since January 2002, Dr. Edwards has been a Professor of Physics at Alabama A&M University (AAMU) and served as the Dean of the School of Arts and Sciences from 2007 to 2011. Prior to 2002, academic positions he held included associate professorships at Spelman College and Fayetteville State University, and a visiting associate professorship and adjunct faculty position at the University of Pittsburgh, and an assistant professorship at the University of Arkansas at Pine Bluff. He has held several summer-faculty-research positions at Government Labs: the ROME Air Force Research Lab, NASA Langley Research Lab, and the Naval Research Lab. Dr. Edwards is a Condensed Matter physicist with expertise in (1) quantum mechanics/solitons wave theory, (2) the materials of electrooptics, (3) pyroelectric, resistivity, and dielectric properties of crystals and nano-particles doped organic thin films, and (4) STEM Education. Dr. Edwards has more than 48-refereed papers and journal proceedings and has made at least 60 professional and administrative presentations. He has guided six students to advanced degrees: four to the Ph.D., and two to the Master's degree. Additionally, he has served on more than 20 dissertation and thesis committees, and has peer-reviewed numerous manuscripts. Currently, he is guiding two Ph.D. degree students and has received many grants, honors and awards, including the Williams Lesso award in 2018 for excellence in multiple disciplinary communication. Dr. Edwards received the Ph.D. and Master's degrees in condensed matter physics from Howard University, Washington, D.C., and the B.S. Degree in engineering physics from North Carolina A&T State University, Greensboro, N.C. In 2015, he was a guest editor for the American Journal of Materials Science. Finally, he sits on the Board of Directors of three science journals and one science education journal, and has served on the Executive Committee of the Alabama Academy of Science since 2012.

Dr. Madelyn Flammia, USA, University of Central Florida, Professor of English/Technical Communication, Vice President of the International Policy and Analysis Center (IPAC)

Dr. Madelyn Flammia is a Professor of English at the University of Central Florida in Orlando, Florida. Her research interests include international technical communication, global citizenship, and virtual teams. She is the co-author of *Virtual Teams in Higher Education: A Handbook for Students and Teachers* and the co-editor of *Teaching and Training for Global Engineering: Perspectives on Culture and Professional Communication Practices*. She has given presentations on intercultural communication and on global virtual teams at professional conferences and for corporate audiences. She received the 2017 Society for Technical Communication Jay R. Gould Award for Excellence in Teaching Technical Communication.

Dr. Kevin Foltz, USA, Institute for Defense Analyses, Information Technology and Systems Division, Independent Technical Analyst for the Department of Defense.

Kevin Foltz is a research staff member at Institute for Defense Analyses. He works on Enterprise Level Security (ELS) in support of the Air Force and Department of Defense to provide secure communication and collaboration. He holds a PhD in Electrical Engineering from California Institute of Technology and degrees is mathematics, computer science, and strategic security studies from Rice University and National Defense University

Dr. Yaping Gao, USA, Quality Matters, Senior Academic Director of Member Services and Partnerships

With a doctoral degree in curriculum & instruction and a concentration on instructional design and educational technology, Dr. Yaping Gao has over 25 years' experience in higher education both in China and in US as faculty, instructional designer, LMS administrator, and online education administrator. Dr. Gao believes quality course and program design supported by research and best practices from the community facilitates effective instruction, promotes student engagement and active learning, and lays the foundation for student success and institutional advancement.

In her current position as Senior Academic Director at Quality Matters, USA, Dr. Gao oversees and leads member services and partnerships with a focus on international outreach initiatives and collaborations. Dr. Gao earned her doctoral degree from Baylor University, Texas, USA, and her Master and Bachelor degrees from Shanghai International Studies University, Shanghai, China.

Professor T. Grandon Gill, USA, University of South Florida, College of Business, Director of the Doctorate in Business Administration, Editor-in-Chief of Informing Science, Editor of the Journal of IT Education

Dr. Grandon Gill holds an AB (cum laude) from *Harvard College* and an MBA (high distinction) and DBA from *Harvard Business School*. He is a professor and the Academic Director of the Doctor of Business Administration program at the *University of South Florida's Muma College of Business*. He was also recently elected president of the *Informing Science Institute*. Dr. Gill has published more than 60 peer reviewed articles, more than 60 case studies, and has authored or edited 11 books relating to his research in the informing science transdiscipline and in the use of case studies for education and research. Over the past decade, he has served as principal investigator on two grants from the National Science Foundation, completed a core faculty Fulbright in South Africa, and received the Gackowski award for his lifetime contributions to informing science research and the Ranulph Glanville award for his research activities.

Professor Bob Gilmour, United Kingdom, Glasgow Caledonian University. School of Computing, Engineering and Built Environment

Professor Bob Gilmour as a PhD in Public Health Engineering and is Principal Investigator of the award winning € 300,000 Erasmus + Strategic Partnership (Promoting Excellence in Employability and Transversal Skills) PEETS. Partners include Glasgow Caledonian University, Lahti University of Applied Sciences, Finland, The Hague University of Applied Sciences, the Netherlands, and our Industrial Partner Constructionarium Scotland Ltd. They 1) use renewable energy projects to facilitate the development of a range of skills and competences in students to enhance their employability, 2) create a variety of learning environments within and outwith the University focusing on interdisciplinary and intercultural learning. An important element of this is the benefits that students and staff can gain through International Mobility. Judges have recognised this as a "ground-breaking" project which provides access for students to life-changing experiences and awarded PEETS a Collaborative Award for Teaching Excellence in August 2019. Professor Bob Gilmour has over 25 years experience in Higher Education and Consultancy in a range of positions from research assistant, senior lecturer, Director and Professor. He leads the Strategic Mobility Working Group and is the University Representative on the Universities UK International Panel for Mobility. He is Senior Fellow of the Higher Education Academy, a Fellow of the Chartered Institution of Water and Environmental Management and a CWEM

Professor Shigehiro Hashimoto, Japan, Kogakuin University, Councilor and Dean, Faculty of Engineering, Former Associate to the President, Doctor of Engineering and Doctor of Medicine, Research Area: Biomedical Engineering.

Dr. Shigehiro Hashimoto now is a professor of Biomedical Engineering, Councilor, and Dean, Faculty of Engineering of Kogakuin University, Tokyo, Japan. He got his Bachelor of Engineering in Mechanical Physics (1979), and Master of Engineering at Tokyo Institute of Technology (1981), Tokyo, Doctor of Medicine at Kitasato University (1987), Sagamihara, and Doctor of Engineering at Tokyo Institute of Technology (1990), Tokyo.

He was Research Associate in School of Medicine (1981-1989), and Assistant Professor in School of Medicine (1989 -1994), at Kitasato University, Associate Professor in the Department of Electronics (1994- 2001), and Professor at Osaka Institute of Technology (2001-2011). He also was the Creator of the first Department of Biomedical Engineering in Japan at Osaka Institute of Technology (2005) and Director of its Medical Engineering Research Center (2005-2011). He was Associate to President and Dean of Admissions Center at Kogakuin University, Tokyo (2012-2018). He experienced internship in Research Center for Artificial Heart in Free University in Berlin (1977). He is the author of the books of "Introduction to Biosystems Engineering (1996)", "Introduction to Biomedical Measurement Engineering (2000)", and "Introduction to Biomechanical Engineering (2013)". His present researches focus on bio- cellular mechanics study using micro-machined flow channel. shashimoto@cc.kogakuin.ac.jp, http://www.mech.kogakuin.ac.jp/labs/bio/

Dr. Russell Jay Hendel, USA. Towson University, Dept of Mathematics, doctoral program at the Spertus Institute for a degree in Jewish studies.

Russell Jay Hendel holds a doctorate in theoretical mathematics from M.I.T., an associateship from the Society of Actuaries, and is in a doctoral program at the Spertus Institute for a degree in Jewish studies. He is currently an Adjunct III faculty member at Towson University, which has recently become a Center of Actuarial Excellence. His research and publication interests include discrete number theory, actuarial science, biblical exegesis, the theory of pedagogy, applications of technology to

pedagogy, and the interaction of mathematics and the arts. He regularly reviews books for the Mathematical Association of America. Dr. Russell Jay Hendel has been listed as a noteworthy Educator by Marquis Who's Who, and a member. Of the American Mathematics Society, Mathematics Association American, Mathematics Education Reform Forum, AMIT Women (friend for life)., and of Judge Long Island Mathematics Fair, Hofstra U., 1990-1992, New York Mathematics Fair, Pace U.,1990-1995. Dr. Russell Jay Hendel teaches actuarial mathematics at Towson University's Center for Actuarial Excellence. He also hosts a website, rashiyomi.com, devoted to explaining Rashi and teaching Rashi methods. He resides in Baltimore where he is co-president of the local AMIT chapter and is also a member of the AMIT President's Circle. AMIT was named the #1 educational network in Israel by the ministry of education using both quantitative and qualitative metrics for the third consecutive year.

Dr. Jeremy Horne, USA, President-emeritus of the Southwest Area Division American Association for the Advancement of Science (AAAS), Consultant and CEO at Inventors Assistance League

Dr Jeremy Horne is President-emeritus of the Southwest Area Division of the American Association for the Advancement of Science: AAAS. He currently the Chief Executive Officer of the Inventors Assistance League, a non-profit organization dedicated to helping independent inventors bring their creations to fruition. He is doing research and writing in the areas of Logic as the language of innate order in the universe, which is an ongoing 40 year project.

His areas of specialization are: Logic (with course work in Symbolic Logic, Set Theory, Modal Logic, Computer-Managed Instruction in logic), Social and Political Philosophy, Political Economy, History of Philosophy, and Philosophy of Education His current research interests are in Recursion in three-dimensional binary space Modeling and Simulation – Autonomous hybrid systems, and states of life and consciousness, with emphasis on dynamic validation Organicity and consciousness in systems Relationship of first and second order logic to modeling theories, such as IDEF Cosmological and quantum semantics of binary logic Effect of millimeter wave radiation on transitional states of consciousness Consciousness studies, particularly the structure, role, and philosophy of bi-valued logic in consciousness Other topics in logic: paradoxes, unary set instantiation, proof checkers

Dr Horne taught many courses in political science and technology, delivered many presentations on the philosophy of scientific methods for the American Association for the Advancement of Science (AAAS) and Quantum Mind conferences, has been reviewer for various journals about the structure and process in binary space, consciousness studies, systems, theory, and philosophy of science, and Documentation Systems Developer, for White Sands Missile Range in New Mexico. His most recent publication consists of two chapters on the philosophy of binary logic and artificial minds in *Research and Applications in Global Supercomputing*, released by IGI Global Press March 2015.

Professor Mohammad Ilyas, USA, Florida Atlantic University, Department of Computer and Electrical Engineering and Computer Science, Former Dean of the College of Engineering and Computer Science, Member of Global Engineering Deans Council.

Dr. Mohammad Ilyas has been with FAU's College of Engineering and Computer Science since 1983. He has served there is various academic and administrative capacities including Dean of the College from 2011 to 2017. He has earned four academic degrees from four different countries; BSc in Electrical Engineering from Pakistan, MS in Electrical Engineering from Iran, PhD in Electrical Engineering from Canada, and PhD in Educational Leadership from USA. Dr. Ilyas has over 210 publications, including one book, 26 handbooks, and over 180 research articles. He is life senior member of IEEE, member of Global Engineering Deans Council, and is Fulbright Specialist.

Dr. Giti Javidi, USA, University of South Florida, Associate Professor of Information Technology and Cyber-Security, , Former Professor of Computer Science, Virginia State

Dr. Giti Javidi is an Associate Professor of Information Technology and Cybersecurity at University of South Florida and a former Professor of Computer Science at Virginia State University. As a leader in STEM education research, she has received several prestigious awards, including 2017 Women of Influence and 2018 Women in Leadership and Philanthropy award for her research. Dr. Javidi has been featured in Harold Tribune, Sarasota Magazine, Florida High Tech Corridor and several other venues.

Professor Steinar Killi, Norway, Oslo School of Architecture and Design, Center of Design Research, Direct Digital Manufacturing

Dr. Steinar Killi is a full professor at the Oslo School of Architecture and Design, he has a MSc in materials and processes and a PhD in Industrial design and Additive Manufacturing. Dr. Killi has been working in the Additive Manufacturing industry, doing research and design for 20 years; he has published internationally and is a member of several scientific boards. He also has, over the last 20 years, developed the largest 3D printing laboratory in Norway and have contributed to the 3D printing community through articles and presentations worldwide. He received the DINO award in 2008. Professor Killi serves in several scientific committees and as a reader for several journals. Parallel to his research, Dr. Killi has taught industrial design on bachelor, master and PhD levels for more than 20 years

Dr. Mario LaManna, Italy/USA, Evoelectronics (Italy), and Selex-SI (USA), Senior Scientist and Project Leader, Projects in the fields of defense and security.

Mario LaManna received the degree in Electronic Engineering (summa cum laude) from the University of Pisa, Italy. He is working with EVOELECTRONICS in Rome, Italy as Senior Scientist and Project Leader. He has taken part in a number of projects in the fields of defense and security. He is leader of a number of international cooperative projects and has participated in more than 100 international conferences as paper author, session chairman and forum moderator. He is a Member of the IEEE and IIIS and a CapTech Expert of the EDA IAP02 (Sensor Systems).

Fr. Dr. Joseph R. Laracy, **USA,** Seton Hall University, Department of Systematic Theology & Department of Mathematics and Computer Science

Father Laracy is a priest of the Roman Catholic Archdiocese of Newark and assistant professor at Seton Hall University. He earned a doctorate from the Pontifical Gregorian University in Rome. Within the field of systemics, Laracy is interested in systems theory (e.g., cybernetics), applied dynamical systems (e.g., modeling with differential equations), and systems engineering (e.g., safety & security engineering). Laracy's principal theological interests are in the intersection of faith & reason and theology & science. A significant part of his research and teaching is focused on placing the Catholic Intellectual Tradition, especially theology, in dialogue with the sciences: formal science (e.g., logic & mathematics), natural science (e.g., astrophysics & evolutionary biology), applied science/engineering (e.g., cybernetics), and medicine (e.g., psychiatry). Laracy's early career interests as a graduate student at the Complex Systems Research Laboratory at MIT concentrated on uncertainty and dynamics in large-scale, complex engineering

systems. He looked at key sources of uncertainty, ways to model and quantify uncertainty, and ways to maintain properties such as safety and security as systems change over time. His work was supported by a NASA Ames Research Center Grant (Model-Based Hazard Analysis Research) and an NSF Grant (A Socio-Technical Approach to Internet Security). As an undergraduate engineering student at the University of Illinois, he pursued research to develop a scalable RSA cryptographic co-processor supported by an NSF VIGRE Grant, worked on a software pattern-based fly-by-wire aircraft control system, and served as a teaching assistant for a course on the Physics of Nuclear Weapons, Warfare, and Arms Control. In the course of his studies, he held engineering positions with Lucent Technologies (Wireless Terminal Interoperability Laboratory), Ball Aerospace and Technologies (NASA Deep Impact Mission), and Light Source Energy Services.

Bruce Leybourne, MSc., USA, Geoplasma Research Institute - Research Director & PI; Former Navy tenure at the U.S. Naval Oceanographic Office, Stennis Space Centre (Geophysics Department)

Bruce is a former Navy tenure at the U.S. Naval Oceanographic Office, Stennis Space Centre (Geophysics Department). He is an experienced geologist/geophysicist onboard Navy research vessels with extensive fieldwork worldwide and over 30-years experience in data acquisition and analysis. He is now Principal Investigator, Research Director and Founder of Geoplasma Research Institute, an editor with New Concepts in Geoplasma Tectonics and owner operator of Climate-Stat Inc. His specialty includes global gravity and marine magnetic data acquisition with offshore experience also onboard seismic vessels acquiring gravity/magnetic data for oil and gas exploration. He has performed field investigations around the globe. Recent ongoing field investigations within the Southwest United States reveal electric geologic events of the past.

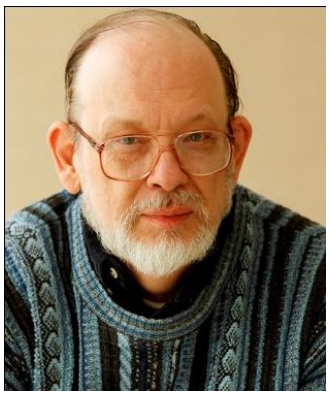
Dr. Suzanne Lunsford, USA, Wright State University, Professor of Chemistry

Dr. Suzanne Lunsford is a professor at Wright State University and is an electrochemist and an internationally established chemical educator. She has been working with colleagues from *international* universities on how to integrate interdisciplinary science labs to meet the needs of the 21st century. Her research work for over two decades has been developing novel sensor electrodes (modified electrochemically) to detect common neurotransmitters to detecting common heavy metals Lead, Cadmium, Mercury and toxic metal Indium at low concentrations utilizing electrochemistry techniques such as cyclic voltammetry, square wave anodic stripping voltammetry, and differential pulse voltammetry. The electrochemical techniques and modified electrodes are examined further by such techniques as Scanning Electron Microscopy, Atomic Force Microscopy, Fourier Transform Infrared Spectroscopy and Raman Spectroscopy to confirm the electrode surface interactions and stability analysis of the sensor(s) developed to assist our students with a variety of analytical instrumentation techniques. She has received over 1 million dollars in external funding for her international and local educational inquiry-based science research programs at Wright State University.

Dr. Suzanne Lunsford has a large experience in relating and integrating research, education and real life problem solving. She 1) has a systemic *perspective of academic activities* and 2) frequently has shown how the level of education may be increased when it is related to her research activities. This allowed her to increase the educational dimension in her teaching activities, which (in her case) are not reduced to a mere instructional process. The latter is *necessary*, but not *sufficient* in Education, including Higher Education. Research may be taken as a means for inquiry-based learning, especially if it is oriented to solve real life problems. This is what Dr. Lunsford has been doing for many years. (Additional note added by the conference organizers, because it is highly related to her plenary keynote address)

Professor Rusudan Makhachashvili, **Ukraine,** Borys Grinchenko Kyiv University, Head of Romance Languages and Typology Department

Professor Rusudan Makhachashvili is Doctor Habilitated, English and Spanish major, Head of Romance Languages and Typology Department of Borys Grinchenko Kiyv University, Ukraine. Editor in Chief of the Journal "Synopsis: Text. Context. Media". Main academic interests: interdisciplinary studies in Liberal Arts, digital education, digital humanities, digital literacy development, cognitive and communicative linguistics. European Commission Horizon 2020 Grant Evaluation Expert.Exemplary published works: Linguophilosophic Parameters of English Innovations in Technosphere (UK 2015), Models and Digital Diagnostics Tools for the Innovative Polylingual Logosphere of Computer Being Dynamics (Peter Lang, Berlin, 2020), ICT Tools and Practices for Final Qualification Assessment in the Framework of COVID-19 Lockdown (Poland, 2020).



Professor Thomas Marlowe, USA, Seton Hall University, Professor Emeritus, Department of Mathematics and Computer Science, PhD in Computer Science and PhD in Mathematics

Thomas J. Marlowe is Professor Emeritus in the Department of Mathematics and Computer Science at Seton Hall University, where he taught a wide variety of courses in both disciplines for almost 40 year, and where he continues to teach occasionally as an adjunct. Professor Marlowe enjoys working with students and with professional colleagues—almost all his research is collaborative. His professional interests have included, in mathematics, abstract algebra and discrete mathematics; in computer science, programming languages, real-time systems, software engineering, and pedagogy; and in information science, collaboration and knowledge management. His two PhDs are from Rutgers, The State University of New Jersey. He has over 100 publications in refereed conferences and journals in mathematics, computer science and information science, and has been a member on more than 10 Ph.D. thesis and 5 M.S. thesis committees, a member of more than 25 conference program committees, and a reviewer for numerous conferences, journals, and grants. He is the founder of an ongoing professional conference, and has been active with the IIIS and the WMSCI multiconference since 2008.

Dr. Tatiana A. Medvedeva, Russia, Siberian State University of Transport

Dr. Tatiana Medvedeva is a Professor in the Department of World Economy and Law at Siberian State University of Transport, Novosibirsk, Russia. Her professional background includes development in the field of economics. She received a diploma in economic cybernetics from Novosibirsk State University, a kandidatskaya degree (Ph.D) and a doctorate degree (Dr.Sc) in economics from Moscow State University. In her professional work she has experience in educating and consulting with managers of Russian enterprises for work in the new social and economic conditions. At her university, she is a former Director of the Scientific and Practical Center for Business and Management. She has also worked as Vice-director of the Institute for Prospective Transport Technologies. She was a Visiting Professor at Georgetown University and at The George Washington University in Washington, DC. Her area of research includes social and economic cybernetics; philosophy, economics and management of change, particularly the changes in values, beliefs, and institutions now occurring in post-communist countries; interactive planning methods; cross-cultural studies; labor relations. Her approach is quite interdisciplinary. She is an author of about 100 professional and research publications.

Prof. Dr.-Ing. Rinaldo C. Michelini Di San Martino, **Italy,** Dipl.-Eng. Kullappu Thantrige Manjula Udayanga Hemapala PMAR Lab, Instrumental Robot Design Research Group, DIMEC - UniversitÃ di Genova

Rinaldo Michelini is professor at the school of Engineers of the University of Genova, Italy. Member of IFIP WG 5.3 (CIME) and WG 5.5 (COVE), ASME (Fellow), SCS (Senior), Russian Academy of Engineering (Correspondent), etc. . Author/co-author of over 500 technical papers/chapters/books, in the domains of integrated design, robotics, expert automation, industrial diagnostics, etc

Professor Rinaldo C. Michelini Di San Martino is Doctor in Industrial Engineering from the University of Genova (Italy); work experiences in Switzerland: HSS-Geneve and ETH-Zurich: professor of Mechanical Engineering at the University of Genova, with international research/teaching experiences (visiting professor at the information System Laboratory, Stanford University, California USA). Leader of the Industrial Robot Design Research Group. Author or coauthor of more than 300 papers and 3 books in the areas of stability of motion, system identification and filtering theory, attitude control of spacecrafts, instrumental robotics, nonlinear control, industrial diagnostics, factory automation, CAD/CAM and CAT applications, etc. Member of IFIP WG. 5.3, ASME fellow, etc.

Dr. Matthew Mullarkey, USA, University of South Florida, Director of the Doctor of Business Administration (DB Program & Faculty in Information Systems & Decision Sciences, MUMA College of Business

Dr. Matthew T. Mullarkey is the Director of the Doctor of Business Administration (DBA) Program for the USF Muma College of Business and an Instructor in the Information Systems and Decision Sciences (ISDS) Department. Mullarkey received a Ph.D. in Business Administration with a concentration in Information Systems from the University of South Florida, an MBA from the University of South Carolina, an MS in Systems Management from the University of Southern California, and a BS in Engineering from the United States Military Academy (West Point).

Mullarkey's areas of research interest include design science research and action research in the evaluation and creation of information systems, smart cities, IoT, healthcare, social networking, and data science. Mullarkey frequently teaches using case based discussions that engage Doctoral, MBA and MIS undergraduates in complex business decisions that typically involve a technology component. Internationally, Mullarkey is actively engaged with scholars in Europe, India, and South Africa to deliver multiple seminars and workshops on design science research, data science project management, and smart, connected, healthy, sharing city design.

Mullarkey is a 2019 recipient of the Fulbright Scholar Award, 2019-2021 Extraordinary Research Scientist at North West University (South Africa), 2018 recipient of the USF Faculty Externship Award, 2017 recipient of the USF Muma College of Business Outstanding Faculty Community Engagement Award, and 2015-2016 ISDS Undergraduate Teacher of the Year Award. Mullarkey actively supports entrepreneurship and university to industry tech-transfer through his roles as a Co-Principal Investigator on the 2018-2021 NSF I-Corps Site Grant, as a 2016 recipient of the NSF I-Corps National grant in his role as mentor, as a member of the USF I-Corps Site Committee, and as a USF I-Corps Site instructor. His service includes active engagement as an instructor, coach and mentor with startup companies involved with USF Connect, Tampa Bay WAvE, Florida-Israel Business Accelerator, and the Greater Tampa Chamber of Commerce Startup Scholars. Mullarkey is a board member with the Tampa Bay Technology Forum, Speak Up Tampa Bay and the Tampa Bay Community Network, the USF Institute for Research in Art Community Advisory Council, the West Point Society Florida West Coast, and a past member of the CEO

Council of Tampa Bay. Mullarkey is the Editor-in-Chief of the USF Muma Case Review and an editor and reviewer for a number of academic journals.

An Airborne, Ranger qualified veteran of the U.S. Army, Mullarkey has more than 25 years of experience as a president, chief executive officer, chief operating officer, and senior vice president in Fortune 1000 and in startup companies in the automotive, applied materials and medical device industries. Mullarkey was a corporate officer at two NYSE listed companies, a board member of three private equity controlled companies, executive-in-residence for a healthcare private equity firm, board chair for the nationally affiliated Urban League of Lorain County non-profit, and founded two startup companies.

Mullarkey works to integrate his business experience with the needs of the students, faculty and administration of the USF Muma College of Business in ways that contribute to student education and preparation for jobs, increases partnering with the Tampa Bay business community, and informs research with impact.

Dr. Susu Nousala, Shanghai, Tongji University, Professor with the College of Design and Innovation, former researcher in sustainable design at Aalto University (Finland) and Fellow at SIAL (Spatial Information Architecture Lab), RMIT Design and Social Context, School of Architecture and Design, RMIT University.

A Professor with Design and Innovation (D&I), Tongji University, Founder and Director of Creative Systemic Research Platform, developing systemic project based learning, programs, concepts and practice with international partners. Previously a ("Chitian Scholar") Professor with Wuhan University of Technology (part time, 2014/15 - 2018), and previously a Senior Research Fellow at Aalto University, Finland. At Aalto, lectured for the "creative sustainability program" (CS), was a course developer and project coordinator for Aalto LABs (a CS project). She has also been awarded an honorary Research Fellow at GAMUT, Faculty of Architecture, Building and Planning, University of Melbourne, Australia (current). Susu has been visiting professor at Chiang Mai University (Thailand) with the faculty of Management, business administration, and was as a co-founder and co-director of Kororoit Institute (KI) Melbourne, Australia (KI is interdisciplinary research of complex and chaotic systems). Susu has been a Research Fellow at RMIT Design and Social Context, managing/researching for National and International research projects. Previous work and training has included art and cultural material conservation practice for various major cultural institutions Australia, England, France, Holland, USA and Singapore. To date she chaired and co-chaired at numerous international symposiums and conferences, is author and co-author for more than 60 refereed journal, conference papers and book chapters. She has received academic and international awards as an invited guest and keynote speaker. She has been successful in working with many multi-disciplinary teams (and securing funding for National/International projects) in many countries including, Australia, New Zealand, Singapore, Malaysia, Indonesia, Thailand, Laos, Vietnam, India, Hong Kong, Taiwan, China, Finland, Denmark, England, France, Germany, Italy, Spain, Switzerland, Central America (Mexico City and other regions) and North America.

Professor Paul Nugent, USA, Western Connecticut State University, Management Information Systems, International Association for Computer Information Systems, Member of the Editorial Review Board

Professor Paul Nugent has over 27 years of experience in the defense contracting world as a systems engineer working on Navy programs such as the Trident II Fire Control Systems and Guidance Systems. He is now a full Professor of Management Information Systems at Western Connecticut State University and his research interests include organization theory, trust, labor studies, philosophy of technology, and information security.

Dr. Bruce E. Peoples, Innovations LLC, USA, Founder and CEO Formerly at Université Paris 8, France, Laboratoire Paragraphe. Chair Emeritus of an ISO/IEC Standards Committee, Generated over 50 Invention Disclosures, 15 Patent Applications and 11 Patent Awards

Dr. Bruce E. Peoples has over 27 years experience in researching and developing advanced complex training, performance, decision, and production support systems and has architected several advanced, "self learning" systems. His research activities led to the filing of over 50 Invention Disclosures and 15 Patent Applications. His inventions include the development of a cutting edge BCI system that controls the flight of an unmanned aerial vehicle using only thoughts. Dr. Peoples also designed and led development of the first paperless learning media production system that mass-produced digital "modular" information objects, also known as Sharable Content Objects (SCOs) that could be used standalone, as aggregations, or in Performance Support Systems and Decision Support Systems, in any delivery environment, without changing "module" code. In recognition of his past research, Dr. Peoples was awarded a Raytheon 2006 Excellence in Technology award. Dr. Peoples has been active in several International Standards Committees, developing the standards necessary for implementing "next gen" Information Communication Technologies on a global scale. He is Chair Emeritus of an ISO/IEC Standard Committee, ISO/IEC JTC1 SC 36 *Information Technology for Learning, Education and Training*. Dr. Peoples was awarded BS and MS degrees from Clarion University of Pennsylvania, and a PhD degree from Université Paris 8 Saint-Denis, France.

Professor Stefan Wolfgang Pickl, Germany, Universität der Bundeswehr München, , Chair of the Advisory Board of the German Society for Operations Research (GOR). , Chair of the GOR working group "Simulation and Optimization of Complex Systems". Foundation of COMTESSA.

Professor Stefan Pickl studied mathematics, electrical engineering, and philosophy at TU Darmstadt and EPFL Lausanne 1987-93. Dipl.-Ing. '93, Doctorate 1998 with award. Assistant Professor at Cologne University (Dr. habil. 2005). Visiting Professor at University of New Mexico (U.S.A.), University Graz (Austria), University of California at Berkeley, Naval Postgraduate School NPS Monterey (U.S.A.). Visiting scientist at SANDIA, Los Alamos National Lab, Santa Fe Institute for Complex Systems and MIT. Associated with Centre for Information Technology and Algorithms CITA (USA), Center for Network Innovation and Experimentation CENETIX, International Best Paper Awards '03, '05, '07. Chair of the Advisory Board of the German Society for Operations Research (GOR). Chair of the GOR working group "Simulation and Optimization of Complex Systems". Foundation of COMTESSA.

Dr. Pawel Poszytek, Poland, General Director of the Foundation for the Development of the Education System, Poland, Member of working groups of the European Commission and the Ministry of National Education of Poland.

Pawel Poszytek, PhD, is Director General of the Polish National Agency of Erasmus+ Programme. Member of several working groups by the European Commission and the Ministry of National Education of the Republic of Poland, coordinator of the Country profile Project implemented by the Council of Europe. Reviewer of the national core curriculum in foreign language teaching in 2008 and co-author of 2016/2017 curriculum update. Former member of the executive board of the European Association of Language Teaching and Assessment. Former coordinator of Lingua, European Language Label and eTwinning

programmes in Poland and member of the board of the Polish National Agency of Lifelong Learning Programme. Currently, general director of the Foundation for the Development of Education System – Polish National Agency for European Union's educational programmes and official delegate of the Republic of Poland to the Worldskills Organization.

Mr. Joseph Prezzama, Msc. USA, MITRE Corporation, Co-Department Head for the Joint Operations Southeast, Tampa office of the MITRE Corporation, MS Software Engineering.

Mr. Joseph Prezzama, MSc. is currently the Associate Department Head for the MITRE Corporation, Tampa Operations Office. In 1996 he earned a Master of Science in Software Engineering from Monmouth University, Eatontown, New Jersey. Prior to that, he earned a Bachelor of Science in Electrical Engineering from Trenton State College, Ewing, New Jersey.

Professor Oleg I. Redkin, Russia, Saint Petersburg State University, deputy dean of science, head of the Arabic Chair, Faculty of Asian and African Studies.

Dr. Oleg Redkin is working as a professor (full) of Arabic Studies, deputy dean of science, head of the Arabic Chair, Faculty of Asian and African Studies, Saint Petersburg State University, Russia. He was born in 1959 in Vilnius. Dr. Redkin received his Ph.D. degree in Arabic linguistics in 1984 and Doctor Habilitation Degree (Doctor of Science) in 1999. His research interests include, but not limited to Arabic and Islamic studies, linguistics, computer text processing, ICT in Arabic learning. He published one monograph, three text books and more than 120 papers. He is one of the authors of two online courses on the Arabic language and one of the authors of two patented inventions. He is the member of editorial and scientific boards of several periodicals of Near Eastern, Arabic and Islamic Studies. He has been leader of several scientific research projects and grants.

Dr. Lorayne Robertson, Canada, University of Ontario Institute of Technology (UOIT), Canada Former Assistant Dean in the Faculty of Education, Former Director of the Graduate Programs in Education

Dr. Lorayne Robertson, teaches graduate and undergraduate courses in digital pedagogies, equity, leadership, and policy in the Faculty of Education at the University of Ontario Institute of Technology, Canada. She specializes in onlinecourse design, program design, and quality assurance. Other research interests include investigations of the student experience and instructor role in polysynchronous online environments with a particular focus on digital technologies and assistive technologies *at the point of instruction* in applied settings such as schools, colleges, and higher education. Dr. Robertson is a former school principal, school district superintendent, and education officer for the Ministry of Education, Ontario

Professor Donald Ropes, The Netherlands: Inholland University of Applied Sciences, Faculty of Business, Finance and Law.

Dr. Donald Ropes is Professor of Learning and Development in Organisations at Inholland University of Applied Sciences. He is also chair of the Business Research Centre at the same university. His research is on learning in complex environments, specifically how we can help people and organisations to become responsive: able to absorb shocks, adapt and thrive in new situations and look for challenges that can be turned into opportunities. For more than ten years, Professor Ropes has been working on advancing Design Science Research as a way to contribute to organisations' development while at the same time expanding organisational learning theory. His current interest lies in the field of transdisciplinary research as an approach to solving wicked problems.

Dr. Houman Sadri, USA, Educational Director, International Policy and Analysis Center (IPAC); 2016 Medal of the 20 Anniversary of APK, Kazakhstan Embassy; 2011 Scholarship of Teaching and Learning (SoTL) Award

Director Houman Sadri earned his Ph.D. from the University of Virginia. Prior to his position of leadership at the IPAC non-profit educational foundation he served as a professor of International Relations, the coordinator of the Model U.N. Program, and a U.S. Government consultant. Dr. Sadri has earned numerous training and research awards. He believes that interdisciplinary studies are highly valuable and will only become more so. Dr. Sadri has authored 4 books and co-authored "*Intercultural Communication"* with Madelyn Flammia. He has written over 70 scientific articles, 10 book chapters, and more than 100 conference papers. Dr. Sadri has done extensive research and publication in the fields of foreign relations and security studies. He presented and published multiple articles for Scholarship of Teaching and Learning (SoTL). Dr. Sadri's academic projects receive funding from many sources including; the Fulbright Grant Program, the International Studies Association, the American Political Science Association, and the U.S. Department of State. Dr. Sadri is frequently invited to share his knowledge as a keynote or guest speaker in a variety of settings both national and international, and does media interviews regarding his areas of expertise.

Dr. Michael Savoie, USA, University of North Texas, G. Brint Ryan College of Business, Clinical Professor, Dept of Marketing, Logistics, & Operations Management, Former Dean of the College of Technology and Computing at Utah Valley University, USA, CEO of HyperGrowth Solutions

Professor Michael Savoie, Ph.D. has been involved in highly-complex computing systems for over 30 years. He studied fuzzy logic systems in the mid-1980's, created advanced complex simulations and neuro-linguistics programming solutions in the 1990's, and has continued to evolve the application of intelligent computing solutions to business and engineering problems. He currently resides in the MLOM department at UNT as a Clinical Professor of Operations Management where his research focuses on wrapping the business case around new and emerging technologies. Specific areas of research include information technology, electronic commerce, quality, operations management, and continuous improvement. His current writings explore the role of information technology in organizational transformation and the integration of IS with business processes. Dr. Savoie has experience in the following industries: Information Technology, Telecom, Energy (traditional and alternative) Government, Non-Profit, Training, Engineering, Quality, Education, Online Learning, E-Commerce. Infrastructure, Utilities, and Gaming.

Professor Margit Scholl, Germany, Technical University of Wildau, Faculty of Economics, Computer Science, Law. Built up a research-based and specific analog IT-Security Arena for people (employees, students, pupils) to raise information security awareness.

Professor Margit Scholl, PhD, is Professor for Business Informatics and Administrative IT in the Faculty of Business, Computing, and Law at the Technical University of Applied Sciences Wildau (TH Wildau) situated to the southeast of Berlin. Her research and teaching work centers on process and project management, (mobile) business applications, information security and privacy protection including baseline protection and awareness, multimedia approaches, and learning methods. Prof. Scholl has assembled a team for research projects in the area of innovation in teaching and learning. The team is completely supported by external funding, in line with the fact that the TH Wildau has a strong focus on the combination of research and teaching. The team has been carefully chosen to bring together a broad range of interdisciplinary approaches, application-oriented research, and modern teaching experience. She has developed a "Certified Further Training Course for IT Security Officers in Public Administration and SMEs" and a "Certified Further Training Course for Data Protection Officers in Accordance with the EU GDPR for Public Administration and SMEs." In addition, she offers trainings and examinations for the European Computer Driving License (ECDL), with the prospect of further trainings in the future for practitioners and consultants in IT baseline protection (IT-Grundschutz) in line with ISO/IEC 27001. A parallel certification hierarchy has also been put in place for students.

Professor Richard Segall, USA, Arkansas State University, Department of Computer and Information Technology

Dr. Richard S. Segall is Professor of Computer & Information Technology at Arkansas State University in Jonesboro, AR where he also teaches in the College of Engineering & Computer Science Master of Engineering Management (MEM) Program and on the faculty of the Environmental Sciences Program. He is also Affiliated Faculty at University of Arkansas at Little Rock (UALR) where he serves on thesis committees. He has previously served on the faculty of Texas Tech University, University of Louisville, University of New Hampshire, University of Massachusetts-Lowell, and West Virginia University. His publications have appeared in journals including *International Journal of Information Technology and Decision Making* (IJITDM), *International Journal of Information and Decision Sciences* (IJIDS), *Applied Mathematical Modelling* (AMM), *Kybernetes*: *International Journal of Cybernetics, Systems and Management Science*, *Journal of the Operational Research Society* (JORS) and *Journal of Systemics, Cybernetics and Informatics* (JSCI).

He has book chapters in *Encyclopedia of Data Warehousing and Mining*, *Handbook of Computational Intelligence in Manufacturing and Production Management*, *Handbook of Research on Text and Web Mining Technologies*, *Encyclopedia of Information Science & Technology*, and *Encyclopedia of Business Analytics & Optimization*. He has edited 4 published books: Open Source Software for Statistical Analysis of Big Data published by IGI Global in 2020, Handbook of Big Data Storage and Visualization Techniques (2 volumes) published by IGI Global in 2018, Research and Applications in Global Supercomputing published by IGI Global in 2015, and *Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications* published by IGI Global in 2011.

He was a member of the Arkansas Center for Plant-Powered-Production (P3) from 2008 to 2016, and is currently on the Editorial Board of the *International Journal of Data Mining, Modelling and Management* (IJDMMM) and *International Journal of Data Science* (IJDS), and served as Local Arrangements Chair of the 2010 MidSouth Computational Biology & Bioinformatics Society (MCBIOS) Conference. His research interests include data mining, text mining, web mining, database management, Big Data, and mathematical modeling. His research has been funded by National Research Council (NRC), U.S. Air Force (USAF), National Aeronautical and Space

Administration (NASA), Arkansas Biosciences Institute (ABI), and Arkansas Science & Technology Authority (ASTA).
He is recipient of Session Best Paper awards at the 2008, 2009, 2010, 2011, 2013 and 2016 World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI) Conferences, and Faculty Award for Excellence in Research in 2015 and 2019 by Neil Griffin College of Business at Arkansas State University.

Richard Self LLM, UK, University of Derby, The School of Computing and Mathematics, Senior Lecturer in Governance of Advanced and Emerging Technologies.

Richard Self is a Senior Lecturer in Governance of Advanced and Emerging Technologies at the University of Derby in the UK. He gained his business background during 30 years at Rolls-Royce before changing to academia in 2002.

His approach to students is not to teach answers, rather he inspires, challenges, mentors and guides his students to find important questions and then how to research to find relevant answers for the specific context using interdisciplinary approaches. He guides the students into their own experiences in order to find the insightful questions that motivates them to their best work. His focus is on inspiring students to evaluate their personal and employability skills and then to develop their full range of skills in order to become the most employable graduates in the market. This is based on research into a range of teaching and assessment approaches that can demonstrate measurable improvements in their academic skills and in their transferable skills. This research is published at conferences and in journals.

Professor Ivan Semenist, **Ukraine,** Borys Grinchenko Kyiv University, Head of Oriental Languages and Translation Departmen

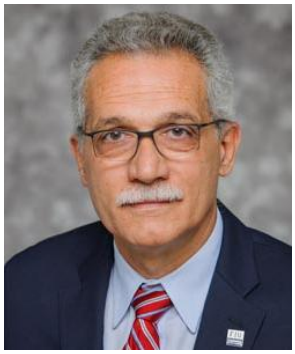
Professor Ivan Semenist, PhD, is Orientologist, Head of Oriental Languages and Translation Department, Head of Ukranian National Association of Teachers of Chinese, Borys Grinchenko Kiyv University, Ukraine. Editor in Chief of Ukrainian Journal of Sinology Studies. Main academic interests: oriental studies, interdisciplinary studies in Liberal Arts, oriental languages, cultural and linguistic-literary ties of Ukraine with the countries of the East, relations of Ukraine with the countries of the East. Exemplary published works: Modern Chinese Society -New Perspectives: New research between China and Ukraine scientists (Social Sciences Academic Press, China 2017), Japan's New Role In The World: The Discussion Of Early 1990's (Ukraine 2016), ICT Tools and Practices for Final Qualification Assessment in the Framework of COVID-19 Lockdown (Poland, 2020).

Prof. Dr.-Ing. Alexandru Soceanu, Germany, Munich University of Applied Sciences, Department of Computer Science and Mathematics, Coordinator of the EU project: "Distributed Online Campus on ICT Security"

Professor Alexandru Soceanu have a teaching experience for over 25 years in the areas of computer networks, network management, network security, Internet of Things (IoT). He combines Research and Consulting in future computer networks, network security management, eHealth security, IoT and he has been coordinating a series of international European ERASMUS projects such as: "Distributed Online Campus on ICT Security-DECAMP": partnership of 6 EU Universities, offering each, an online hands on course on ICT security of a specific application area.

Professor William Swart, East Carolina University, College of Business, Former Provost and Vice Chancellor for Academic Affairs, Former Dean of Engineering at New Jersey Institute of Technology

William Swart is Professor of Marketing and Supply Chain Management at East Carolina University. He received a B.S. in Industrial Engineering with Honors from Clemson University, a M.S. in Industrial and Systems Engineering and a Ph.D. in Operations Research from the Georgia Institute of Technology. Dr. Swart has reached top management positions in both industry and academia. He served as Corporate Vice President of Operations Systems at Burger King Corporation. He is credited for pioneering the use of industrial engineering in the restaurant industry and his work received a finalist award in the prestigious INFORMS Franz Edelman Competition for the best application of management science in the world. He also served as a Technical Cooperation Expert with the Organization for Economic Cooperation and Development (OECD) in Turkey and took part in the development of the tourism sector input to that country's first five-year economic development plan. In academia, he served as Dean of Engineering and Technology at both the New Jersey Institute of Technology and Old Dominion University (Virginia) as well as Provost and Vice President for Academic Affairs at East Carolina University. His research and consulting activities included the development of methodologies to improve the ground processing NASA's Space Shuttle at the Kennedy Space Center, the development of Taco Bell's Labor Management System, and research on affordable energy efficient housing sponsored by the U. S. Department of Energy. These activities have led to a second Franz Edelman finalist award, the Achievement Medal in Operations Research and Management Science from INFORMS, the IIE Operations Practice award, and a NASA/JFK Group Achievement Award. His many real-world experiences have given Dr. Swart a clear insight into *what* students should learn. His current research is focused on *how* students can most effectively learn it.



Dr. Andrés Tremante, USA, Florida International University, Department of Mechanics, Director of the "Center for Diversity and Student Success in Engineering and Computing" (CD-SSEC).

Professor Andres Tremante is the new director of the Center for Diversity and Student Success in the College of Engineering and Computing (CD-SSEC). In this position, Dr. Tremante is responsible for all aspects of the College's K-12 programs and pre-college STEM activities, working closely with the college advisors and associate deans to improve student success, graduation & retention rates and in advancing the mission of the college. He will also support the Industry-University Cooperative Programs and the ERC's Diversity and Inclusion areas for PATHS-UP and CELL-MET. He is also the deputy director of the CELL-MET Culture of Inclusion Thrust Area. Professor Tremante received his bachelor's degree in mechanical engineering from Universidad Simon Bolivar and his doctoral degree from Arts et Métiers Paris Tech. He joined FIU in 2008 after 25 years of experience in Europe and Latin America

Professor Stuart A. Umpleby, USA, The George Washington University, USA, President of the Executive Committee of the International Academy for Systems and Cybernetics Sciences, Former President of The American Society for Cybernetics

Stuart A. Umpleby is professor emeritus in the Department of Management at the George Washington University in Washington, DC. He received degrees in engineering, political science, and communications from the University of Illinois in Urbana-Champaign. Umpleby has published articles in *Science, Policy Sciences, Population and Environment, Science Communication, Futures, World Futures, The Journal of Aesthetic Education, Simulation and Games, Business and Society Review, Telecommunications Policy, Journal of the Washington Academy of Sciences, Reflexive Control, Systems Practice, Kybernetes, Cybernetics and Human Knowing, Cybernetics and Systems* and several foreign language journals. He

is Associate Editor of the journal *Cybernetics and Systems*. Umpleby has received research grants from the National Science Foundation, the Charles F. Kettering Foundation, the Charles Stewart Mott Foundation, the Nathan Cummings Foundation, the U.S. Department of State's Bureau of Educational and Cultural Affairs and the Central Asia Research Initiative. He has consulted with the World Bank, with government agencies in the U.S. and Canada and with corporations in the U.S., Europe, Japan, and China. He has been a guest scholar at the Wharton School of the University of Pennsylvania, the International Institute for Applied Systems Analysis in Laxenburg, Austria, the University of Vienna, the Institute for Advanced Studies in Vienna and the University of St. Gallen in St. Gallen, Switzerland. In spring 2004 he was a Fulbright Scholar in the School of Economics and Business, University of Sarajevo, Sarajevo, Bosnia-Herzegovina. Between 1981 and 1988 Umpleby was the American coordinator of a series of meetings between American and Russian scientists to discuss the foundations of cybernetics and systems theory. These meetings were supported by the Russian Academy of Sciences and the American Council of Learned Societies. His interest in the transitions in the post-communist countries has resulted in his presenting lectures at various institutes of the Academies of Science of Russia, Ukraine, Poland, Hungary, Bulgaria, and China. He received the Norbert Wiener Award of the American Society for Cybernetics.

Dr. Tilia Stingl De Vasconcelos, Austria, Business Consultant, , Member of the European Society for Education and Communication, Previously, University of Applied Sciences Austria, Information Management and Cross Cultural Communication.

Dr. Tilia Stingl de Vasconcelos Guedes is currently an autonomous Organizational Consultant and a former lecturer at Universities of Applied Sciences in Austria (academia nova GmbH, FH-Wiener Neustadt) in the area of Business Administration and Change Management. Tilia has bachelor's and master's degrees in Computer Science and Business Administration from the Vienna University of Technology, is post-graduated in Magazine Journalism and earned her doctorate in Communication Science from the University of Vienna, working in the field of Knowledge Management and Organizational Communication. She has also worked in the financial sector and later in management consulting. Today her research interests are in the field of organizational communication and systemic approaches.

Profesor Jorge Varas, **Argentina,** Universidad Nacional de la Patagonia Austral, Co-Director de Proyectos en Ergonomía Organizacional

El Lic. Jorge Ruben Varas es Profesor Adjunto Área Ergonomía y Psicosociología del Trabajo (Antigüedad en docencia universitaria, 20 años). Tesista de Maestría en Educación en Entornos Virtuales UNPA. El profesor Jorge Ruben Varas es Co¬Director de Proyectos de Investigación de proyectos relacionados a Educación en Entornos Virtuales de Aprendizaje de la Universidad Nacional de la Patagonia Austral ¬ Unidad Académica Caleta Olivia, Patagonia ARGENTINA. Es asimismo, Co-Director del Grupo de innovación de enseñanza en ambientes virtuales de aprendizaje (GIEAVA - http://www.unpa.edu.ar/cecyt/1876/grupo/gieava). Áreas de interés: Diseño Instruccional aplicado a Organizaciones Laborales, Tic's aplicadas a la Educación, Modelos de Enseñanza en Entornos Virtuales de Aprendizaje. Cuenta con publicaciones en eventos nacionales e internacionales.

Profesora Gabriela E. Vilanova, Argentina, Universidad Nacional de la Patagonia Austral, Directora de Proyectos en Ingeniería de Software. Instituto de educación y ciudadanía (IEC),

La Lic. Gabriela Vilanova es Profesora Asociada por concurso ordinario. Área Sistemas. Ingeniería de Software. (Antigüedad en docencia universitaria, 27 años). Universidad Nacional de la Patagonia Austral. Unidad Académica Caleta Olivia. Es Licenciada en

Ciencias de la Computación (UNPSJB, 1997). Tesista Master en Educación en Entornos Virtuales Universidad Nacional de la Patagonia Austral.

Doctorado en ciencias de la computación (UNCPBA, 2009) Tesis a presentar. Es Postulante Doctorado en ciencias sociales y humanas (UNPA) y Directora del Grupo de Investigación: Innovación en procesos de enseñanza y aprendizaje en ambientes virtuales de aprendizaje (GIEAVA - http://www.unpa.edu.ar/cecyt/1876/grupo/gieava). Ha participado como organizadora, expositora y evaluadora e integrante de comité en eventos nacionales e internacionales, cuenta con publicaciones varias.

Dr. Luay A. Wahsheh, USA, Department Head and Professor, Department of Computer and Information Science, Arkansas Tech University,

Dr. Luay A. Wahsheh received a B.S., M.S., and Ph.D. in computer science with an emphasis on cyber security. He teaches graduate and undergraduate courses in computer science and cyber security. His research interests in cyber security include access control security policy, software security, digital forensics, ethical hacking, mobile security, intrusion detection, and database security. His research work has resulted in more than 35 journal and conference publications. He supervised more than 73 research projects for graduate and undergraduate students. He received more than 15 internal and external research grants in cyber security in the amount of more than $28.7 million. He received several outstanding achievement awards in recognition and appreciation of his teaching and research contributions to the field of cyber security.