



MEET THE OFFICERS AND MEMBERS OF THE POLICY COUNCIL

The Policy Council is the governing body of the System Dynamics Society. It sets policies, issues directives, and monitors the work of officers and other activities under way or planned. It meets as specified in the bylaws and may hold additional electronic discussions and votes throughout the year as needed. It reviews and approves the budget and acts on nominations. Officers and members are nominated by the Nominating Committee and approved by the Policy Council. For more information on the Policy Council please visit the Governance page on the Society's website.



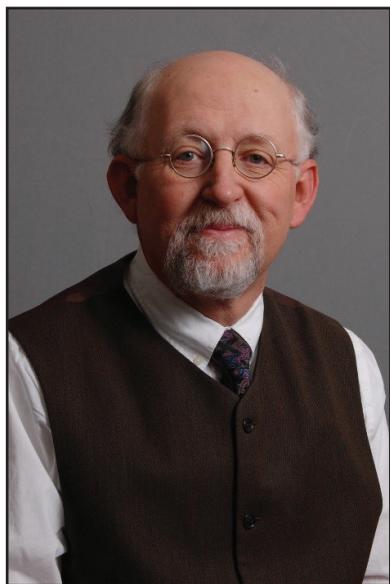
Ignacio Martínez-Moyano – President (2018)

Ignacio J. Martínez-Moyano is Section Lead of Behavioral and System Dynamics in the Systems Science Center (SSC) of the Global Security Sciences (GSS) Division at Argonne National Laboratory. Ignacio is also a Senior Fellow at the Computation Institute of The University of Chicago. For the System Dynamics Society, Ignacio is currently member of the Society Program Oversight Committee and has served on the Policy Council of the Society. Additionally, he served as the conference chair for the 31st International Conference of the System Dynamics Society. Ignacio's research focuses on the application and theoretical development of System Dynamics modeling and computer simulation to advance the theories and understanding of human judgment, decision making, and behavior in complex and dynamic systems, particularly under conditions of high uncertainty and high consequence. Ignacio is Editor of the "Notes and Insights" section of the *System Dynamics Review* and has published his research in such academic journals as *Organization Science*, the *Journal of Public Administration Research and Theory*, the *ACM Transactions on Modeling and Computer Simulation (TOMACS)*, *Computers & Security*, the *System Dynamics Review*, and *Government Information Quarterly*.



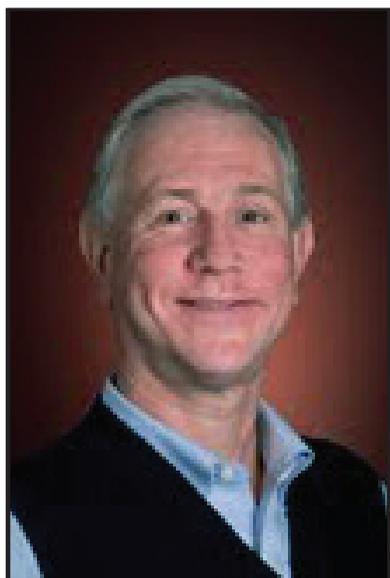
Martin F. G. Schaffernicht – President Elect (2018)

Martin Schaffernicht is an associate professor at the College of Business Administration University of Talca in Chile. Born and raised in Germany, he was originally trained as economist (Freiburg, 1990), then worked in France as research engineer for rural banking projects and obtained a PhD in Management in 2012 (Montpellier, France). Martin's PhD dealt with management cybernetics, he then moved towards Systems Dynamics as a way to design decision rules. He has been a member of the Society since 2003. His research evolves around the question of how mapping and simulation modeling influence mental models in feedback-driven management and planning situations. His teaching at the undergraduate and graduate level includes System Dynamics in combination with business strategy and with introductory economics. Martin has also authored a Spanish textbook for System Dynamics. As a member of the Society, he has served as president of the Latin-American Chapter, president of the Economics Chapter, and Vice-president Chapters in the Policy Council as well as founding editor of the "Revista de Dinámica de Sistemas."



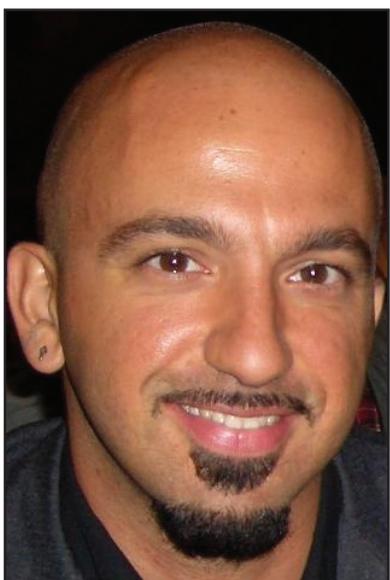
Leonard Malczynski – Past President (2017)

Leonard A. Malczynski is a System Dynamics practitioner, micro-economist and software engineer. He is co-owner of Mindseye Computing, LLC. Len is a former US Peace Corps volunteer and has worked in more than 10 countries in Africa, Asia, South America, and the Caribbean applying and teaching software engineering and System Dynamics. He was the conference chair for the 27th International Conference of the System Dynamics Society, a member of the Society Policy Council (2011-13), VP Meetings (2013-15), and President of the Society (2017). He was a member of the Office of the Chief Economist at Sandia National Laboratories from 1998-2005 and ended a 28 year career at the Laboratories in March 2017. His current activities involve a software specialization in Powersim Studio and Group Moderator of the international Powersim Users Group. He has been an adjunct professor in economics and software engineering for 29 years at the University of New Mexico. He holds a BS Forestry, MS in Agricultural Economics, MA in economic theory, MBA, and a graduate certificate in System Dynamics.



Brad Morrison – Secretary (2017-2018)

Brad Morrison is an Associate Professor of Management, Brandeis International Business School; Senior Lecturer, MIT Sloan School of Management and Engineering Systems Division; current System Dynamics Society Secretary. Brad teaches System Dynamics, operations management, and organizational behavior. For the System Dynamics Society, he has served on the Policy Council, Awards Committee, Administrative Committee, and Applications Award Committee; as the Chair of the Organization and By-Laws Committee; and as Secretary of the Society for three terms. He has served as a Thread Chair, Conference Reviewer, Session Chair, Session Reporter and ad hoc reviewer for the *System Dynamics Review*. In 2012, he was awarded the Jay Wright Forrester Award for his work on dynamic problem solving. Brad has published System Dynamics articles in the *Academy of Management Review*, the *American Medical Journal*, *Academic Emergency Medicine*, *Journal of Business Research*, and the *System Dynamics Review*. Before academia, he was partner at a leading global management consulting firm and has more than 15 years of consulting experience. He holds a PhD in Management from the Sloan School of Management at MIT, an MBA from the University of Chicago Booth School of Business, and undergraduate degrees in Chemistry and Management Science from MIT.



Stefano Armenia – Vice President Chapter Activities (2017-2019)

Senior Research Fellow at the “Sapienza” University of Rome, Stefano Armenia was born in Rome, Italy, in 1971 and had his degree in IT Engineering at University of Rome La Sapienza in 1998. From 2001 to 2008 he worked for the Dept. of Enterprise Engineering at the University of Rome “Tor Vergata”, where he received his PhD in Economical and Managerial Engineering and a Master degree in Business Engineering. He started his collaboration as a research fellow with Sapienza University in 2008, where he has been participating and coordinating many national and international research projects. He is the current President of SYDIC (the System Dynamics Italian Chapter, the Italian branch of the International System Dynamics Society), and has his research focus on the analysis of the impacts of new technologies and IT systems on organizational processes, as well as on the analysis of strategies/policies impacts of private and public organizations. His research and publications have mainly dealt with the analysis of complex systems dynamics in many fields, from logistics and transportation to innovative finance and technological innovation, to policy modeling and impact assessment.



Robert L. Eberlein – Vice President Electronic Presence (2018-2020)

Robert Eberlein, PhD, is a researcher, teacher, and consultant with expertise in addressing social, economic, and business issues using the techniques of System Dynamics. He is the Co-President of isee Systems and a consultant. He has done significant work on population aging and health with the Duke-NUS Graduate Medical School in Singapore. He holds the post of Adjunct Assistant Professor at Worcester Polytechnic Institute where he teaches a graduate course on advanced model analysis techniques. He has consulted to organizations in a range of industries including pharmaceuticals, aerospace, telecommunications, information technology, retail and the military. He was the original developer of the Threshold 21 model now widely used for policy studies in developing countries. Robert holds a PhD from the Sloan School of Management at MIT with specialization in Applied Economics and System Dynamics and has served as an officer of the System Dynamics Society for 25 years. He was, through 2010, the primary developer of Vensim, one of the predominant software tools in System Dynamics, and has delivered a number of customized software solutions actively used in managing business processes.



Eliot Rich – Vice President Finance (2018-2019)*

Eliot Rich, PhD, is an Associate Professor in the Department of Information Technology Management, School of Business, University at Albany. His professional and academic work revolve around two different concepts of “systems.” Eliot’s first profession was as a business systems analyst, designing and developing information technology solutions for complex problems. During his reincarnation as an academic, Eliot has studied organizational and individual behavior through the lens of System Dynamics, a perspective that uses causal structures, feedback, and information delays to understand outcomes.

Much of Eliot’s current work applies the latter to the former: What can we learn about IT-enabled change and its effects through the application of systems thinking? During the last few years, this path has included stops in Knowledge Management, Information Security and Decision Analysis. Eliot’s research and publications present several ideas and work products in this area. **Partial term*

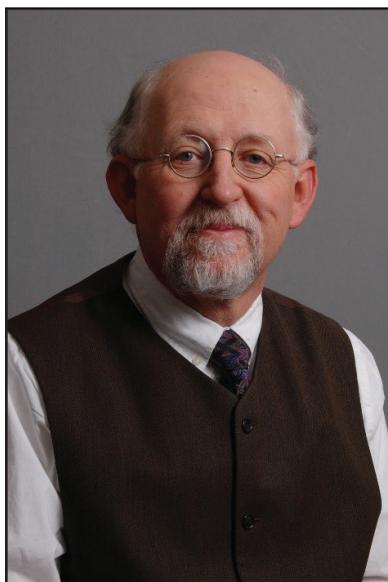


Warren Farr – Vice President Marketing and Communications (2017-2018 Partial Term)

Warren Farr is the President of Informed Dynamic Systems and the CEO of Refrigeration Sales Corporation (RSC), a privately owned midwest WholeServer™ of heating, ventilating, air conditioning, and refrigeration equipment, parts, and supplies. During his employment at RSC, Warren completed a Master in Science degree at WPI, specializing in System Dynamics. Prior to joining RSC, Warren held various product design and sales positions in the then young and growing computer networking industry. During this time he obtained an MBA from the Fuqua School of Business at Duke University. Prior to designing computer networks, Warren was software engineer at MITRE Corporation designing military command, control, and communication systems. Warren’s Bachelor of Science degree is in computers and physics from Duke University. Throughout his life, he has been fascinated by designing and operating complex systems. System Dynamics provides a useful and satisfying way of describing and analyzing these systems. Warren enjoys the peer group provided by being a member of the International System Dynamics Society and its Policy Council.

Vice President Membership (2018-2020)

This position is currently vacant.



Len Malczynski– Vice President Meetings (2018-2021)*

Leonard A. Malczynski is a System Dynamics practitioner, micro-economist and software engineer. He is co-owner of Mindseye Computing, LLC. Len is a former US Peace Corps volunteer and has worked in more than 10 countries in Africa, Asia, South America, and the Caribbean applying and teaching software engineering and System Dynamics. He was the conference chair for the 27th International Conference of the System Dynamics Society, a member of the Society Policy Council (2011-13), VP Meetings (2013-15), and President of the Society (2017). He was a member of the Office of the Chief Economist at Sandia National Laboratories from 1998-2005 and ended a 28 year career at the Laboratories in March 2017. His current activities involve a software specialization in Powersim Studio and Group Moderator of the international Powersim Users Group. He has been an adjunct professor in economics and software engineering for 29 years at the University of New Mexico. He holds a BS Forestry, MS in Agricultural Economics, MA in economic theory, MBA, and a graduate certificate in System Dynamics. *Partial term for 2018



Diana Fisher – Vice President Pre-College Education (2017-2019)*

Dr. Fisher completed her PhD in System Science at PSU in 2016. She is the recipient of the Lifetime Achievement award, bestowed by the System Dynamics Society, the Presidential Award for Excellence in Teaching, and first place recipient of Intel's Innovation in Teaching Award. She has taught System Dynamics (SD) modeling, both as part of her algebra, pre-calculus, and calculus classes, and also a year-long SD modeling course for over 20 years. She has provided System Dynamics modeling workshops for math and science teachers, sponsored by NASA, as well as designing and directing two National Science Foundation Projects where she taught SD modeling lessons for math, science, and social science teachers, serving as the lead Principal Investigator. Ms. Fisher has published two books in System Dynamics: *Lessons in Mathematics: A Dynamic Approach* and *Modeling Dynamic Systems: Lessons for a First Course*. Her first two degrees are in Mathematics. She teaches Environmental Math Modeling, using System Dynamics, each spring at PSU, and offers a sequence of three online SD courses (with graduate credit option) each summer: Introduction to System Dynamics Modeling for Math and Science Instructors: Basic Models, More Advanced Models, Creating Original Models from the News. *New position in 2017



Kenneth G. Cooper – Vice President Professional Practice (2016-2018)

Mr. Cooper is Chairman and CEO of the Cooper Network, applying System Dynamics modeling to biological systems. He also founded and led Cooper Associates, a management consulting firm applying simulation modeling to hundreds of commercial projects. Prior to founding Cooper Associates, Ken led development of the consulting firm Pugh-Roberts Associates (President), and PA Consulting, (Managing Partner). He has directed more than 300 model-based consulting engagements for corporate and government clients, and has published extensively on the business use of simulation modeling. He developed “the Rework Cycle” and pioneered the use of System Dynamics in project management. His clients have included senior executives of Fluor Corporation, Raytheon, Boeing, MasterCard, Northrop Grumman, Ford, IBM, and more. The System Dynamics Society selected his recent work (with Gregory Lee) as winner of the Society’s Applications Award for 2009-2010. Ken is a two-time Edelman laureate, most recently in the 2011 global competition to recognize the world’s best applications of management science. The Franz Edelman Award is the premiere award in that field; the competition is conducted by the Institute for Operations Research and Management Science (INFORMS). He holds a BS from MIT (1972) and an MA from Boston University (1975).



Dr. Krystyna A. Stave – Vice President of Publications (2018-2020)

Krys Stave is Professor of Environmental Studies at the University of Nevada Las Vegas. She uses a systems perspective in her research and teaching to promote sustainable environmental management, increase community understanding of environmental issues, and engage stakeholders in policy analysis and environmental decision-making. She teaches systems modeling, conducts research on the effectiveness of systems models for environmental decision-making, and works with stakeholder groups to develop models for specific issues. Applications of her participatory systems modeling research include projects in water policy, transportation-related air quality management, zero-waste planning and social-ecological system dynamics. Other research examines the use of simulation models for discovery learning about sustainability and using participatory modeling to foster transdisciplinary collaboration on environmental and public problem-solving. Krys holds an undergraduate engineering degree in Operations Research, an M.S. degree in Systems Analysis and Policy Design, and PhD from the Yale School of Forestry and Environmental Studies. She spent the 2013-2014 year as a US Fulbright Core Scholar at Bahir Dar University, Ethiopia, working with the Blue Nile Water Institute.



Sharon Els – Policy Council (2016-2018)

Sharon has specialized in business modeling and simulation for over twenty years. At PA Consulting Group her client work has included: analyzing market change and evolution, optimizing corporate resource allocation, and improving development project performance. She has advised corporate executives and government leaders on complex strategy, policy, and program challenges at a number of technology, aerospace, finance, healthcare, and government organizations. Sharon holds a Bachelor’s degree in Civil Engineering from MIT, and an Master’s of Business Administration from MIT’s Sloan School.



Rebecca Niles – Policy Council (2016-2018)

Rebecca Niles is President of Leverage Networks (a hub for all things systems that is building upon the intellectual property of the former Pegasus Communications), a Senior Facilitator of Systems Strategy for ReThink Health (an organization that is leading health system innovation by bringing regional leaders together around a System Dynamics model for health policy), and a partner at the Systems Thinking Collaborative. She brings 20+ years of entrepreneurial and systems consulting expertise including work at Monitor Company and GKA. Client engagements have included systems training, causal mapping, simulation facilitation, and computer modeling. Issues addressed include employee retention, health system strategy, sustainability, economic growth in Nigeria, platinum refining efficiency, product defect reduction, drug discovery strategy, teacher absenteeism, and nuclear power catastrophes and reporting, among others. Her expertise is in live, collaborative model building and making complex challenges clearer. Rebecca received her BS in Civil Engineering from MIT and an MBA from the MIT Sloan School of Management. While at MIT, she spent three years under the supervision of Jay Forrester developing curriculums for K-12 educations and studied System Dynamics under John Sterman.



Yutaka Takahashi– Policy Council (2016-2018)

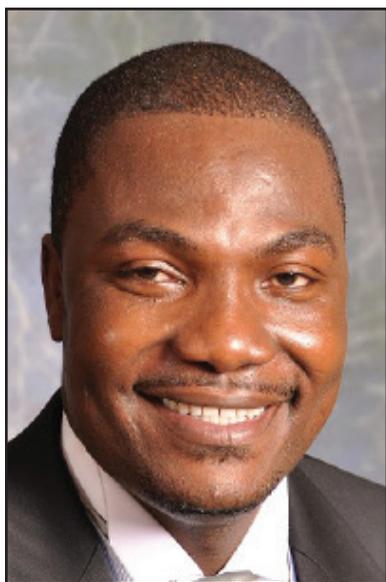
Yutaka Takahashi, PhD, is a professor of computer simulation at the School of Commerce, Senshu University in Japan. He teaches System Dynamics in two undergraduate schools; at Senshu University and Gakushuin University, both in Tokyo. Yutaka also teaches a graduate school course at the Graduate School of Commerce, Senshu University. His expertise includes System Dynamics application to business and political issues, System Dynamics methodology research, and issues concerning information use in organizations. Dr. Takahashi serves as a Thread Co-Chair of the International Conference of the System Dynamics Society 2015 and as a Conference Reviewer. He is a board member of Japan Chapter of the System Dynamics Society and was a Chapter Representative. In 2014, he held the roles of the Vice Chair of the Program Committee and the Organization Committee of Asia-Pacific System Dynamics Conference, held in Tokyo. He contributes to publishing SDM-Doc's Japanese Language version. In addition to academic activities, he is also a member of the Public Procurement Audit Committee of Ministry of Health, Labor, and Welfare, Japan, and serves as the Dean of International Academic Affairs, International Center, Senshu University.



Lees N. Stuntz – Policy Council (2017-2018)*

Lees N. Stuntz, Executive Director of the Creative Learning Exchange (CLE), founded the organization in 1991 under the direction of Jay Forrester, the founder of the field of system dynamics. The CLE Board of Trustees includes eminent system dynamicists, George Richardson and Brad Morrison. As Director of the CLE, Ms Stuntz runs workshops on systems thinking and system dynamics for educators and a biennial conference as well as visiting schools across the US while interacting with teachers and administrators. She maintains contacts with the system dynamics community and educators who are interested in utilizing systems thinking and system dynamics in their schools, both administratively and in the classroom. The CLE disseminates curricula and simulations for free on the website and published in book format. Stuntz has her A.B. in Sociology from Wellesley College and her M.A. in Child Study from Tufts University. Her volunteer activities have included serving on the local School Board and Chairing the School Building Committee in her district for many years as well as serving on the Board of Directors for a local children's discovery learning museum.

**Partial term.*



John Pastor Ansah – Policy Council Member (2017-2019)

John P. Ansah is an Assistant Professor in the signature program in Health Services and Systems Research at Duke-National University of Singapore Medical School and a Faculty Fellow at Residential College 4, at National University of Singapore. He has a PhD in System Dynamics from University of Bergen, Norway. His research interests lie broadly within the area of healthcare modeling: to inform health policy, redesign and improve healthcare services. His current research focuses on health and social care for the elderly, health workforce planning, and chronic disease management. John is also interested in group model building and the process of understanding health systems and designing solutions using modeling and simulations to inform policy. John has worked for Millennium Institute and applied System Dynamics methodology extensively. At the Millennium Institute, John was a key member of the modeling team that developed the System Dynamics model for the United Nations Environment Program Green Economy Report.



Nancy Hayden – Policy Council Member (2017-2019)

Nancy K. Hayden is a Principal Member of the technical staff at Sandia National Laboratories, where she is an expert on the nexus of international security policy and science and technology, and has led multi-disciplinary teams to address issues that include nuclear energy safety, nuclear waste management, nonproliferation, and counter terrorism. On assignments to DOE and DOD, she has contributed to the successful completion of bilateral efforts to secure nuclear materials, including the Plutonium Production Reactor Conversion Agreement in Russia and the China Arms Control and MPC&A technical exchange. She recently completed a PhD in the Maryland School of Public Policy, studying impacts of third party interventions on the resiliency of actors in civil conflict, and what that means for conflict dynamics, persistence and/or transformation. She has conducted field research in Morocco, Kenya, Ethiopia, Burundi, and Uganda with military, NGOs and humanitarian relief organizations to support this research. Ms. Hayden is a native of Texas and a permanent resident of New Mexico. She holds a BS in Math from the University of Texas at Austin, an MS in Mechanical Engineering from the University of California at Berkeley, and is a graduate of the executive program on nonviolent conflict at the Fletcher School of International Affairs at Tufts University.



Florian Kapmeier – Policy Council Member (2017-2019)

Florian Kapmeier holds a position as Professor for Strategic Management and Project Management at the ESB Business School of Reutlingen University, Germany. Florian teaches System Dynamics, Strategic Management, and Project Management in bachelor and master modules at the ESB Business School. His research interests include decision making in and strategic management of complex dynamic systems, and in particular managing cyclical markets, the diffusion of new technologies, and sustainability. Regarding the latter, Florian works closely with ClimateInteractive to make the impacts of climate change better understood in Germany. For the System Dynamics Society, he has served on the Policy Council and is member of the Dana Meadows Award Committee. Florian serves on the board of the German Chapter of the System Dynamics Society since its founding in 2006 and is currently serving as its president.



Nuno Videira – Policy Council Member (2017-2019)

Nuno Videira is Assistant Professor at the School of Science and Technology of the New University of Lisbon, Portugal (FCT-NOVA), teaching on integrated modelling for the European Master Program in System Dynamics, as well as environmental management, ecological economics and participatory methods topics for MSc and PhD level programs on environment and sustainability at FCT-NOVA. He has served as Thread Chair and Conference Reviewer for the System Dynamics Society, and ad hoc reviewer for the *System Dynamics Review*. His research focuses on participatory System Dynamics modelling approaches for stakeholder engagement in environmental and sustainability decisions, supporting problem scoping and policy analysis processes dealing with various issues, such as, biodiversity conservation and ecosystem services, water management and sustainable consumption. He has developed extensive experience in the implementation of collaborative processes for the co-creation of models with broad stakeholder groups, having published widely on the topic. He holds a MPhil in System Dynamics from the University of Bergen, Norway, and a PhD in Environmental Engineering from FCT-NOVA.



Shayne Gary – Policy Council (2018-2020)

Shayne is an Associate Professor and Strategy Research Cluster Head at the UNSW Business School in Sydney Australia. He received his Ph.D. and was subsequently a Research Fellow in Decision Sciences at London Business School. Shayne has been a visiting scholar at MIT's Sloan School of Management and at Duke University's Fuqua School of Business. His research examines how differences in managerial mental models, policies, and cognitive reasoning processes lead to differences in firm performance. One stream of research combines in-depth fieldwork and simulation modeling to investigate how organizational policies drive firm performance over time. A second research stream involves laboratory experiments investigating decision making using management flight simulators. Shayne's research has been published in the *Strategic Management Journal*, *System Dynamics Review*, and other leading journals. He is an Associate Editor of the *System Dynamics Review* and Program Chair of the Behavioral Strategy Interest Group of the Strategic Management Society.



Hilde Martinussen – Policy Council (2018-2020)

Hilde Martinussen works as a Senior Consultant at Powersim Software and is based in Bergen Norway. Born and raised in the same city as well as graduating from the University of Bergen, she holds a Cand. polit. Degree in System Dynamics and programming from the Institute of Information Science. She started working for Powersim back in 1995 and is now one of the owners of Powersim Software founded back in 2002. Powersim is the developer of the System Dynamics software tools Powersim Studio. She has been a consultant applying System Dynamics methodology to organizations in a range of industries; mainly within energy, reaching from renewable to oil and gas, as well as within human resource, health and pharmaceutical sector.



Josephine Kaviti Musango – Policy Council (2018-2020)

Josephine is an Associate Professor with the School of Public Leadership (SPL), Stellenbosch University, South Africa. She is also the Research Group Leader for Urban Modelling and Metabolism Assessment (uMAMA) Research Team (www.umama-africa.com) at the Centre for Complex Systems in Transitions (CST, <http://www0.sun.ac.za/cst/>). Josephine teaches system dynamics as a module in Sustainable Development Programme of SPL. For more than ten years, she has utilised system dynamics modelling in various contexts including resource flows analysis, aquaculture management, energy assessment, technology assessment and green economy. She is NRF-rated researcher and her on-going research relates to the application of system dynamics in managing change in resource management and policy related challenges – especially in the energy, green economy and African urban resources issues. Josephine was one of the Founding Members of South Africa System Dynamics Chapter and currently serving as the Organising Secretary of the Chapter.



Raafat Zaini – Policy Council (2018-2020)

Raafat completed his PhD in System Dynamics and organization studies at Worcester Polytechnic Institute (WPI) in 2016. His research interest is in the area of organizational dynamics and innovation sustainability with a focus on R&D organizations and higher education institutions. His current work involves the analysis and dynamic modeling of startup research universities strategies, and investigating the role of dissent in organizational health. He won the Graduate Innovation Exchange Award for Phd research in social science and business at WPI in 2013 and 2014. While pursuing his PhD, Raafat has worked as a researcher at the MIT Sociotechnical Systems Research Center and currently consults for the Advance Management Group. He served as a co-chair of the System Dynamics Society Business Special Interest Group 2013-15. He is currently the president of WPI System Dynamics club. Raafat has a bachelor degree in mechanical engineering from KFUPM in Dhahran Saudi Arabia, and a master degree in aeronautical and industrial engineering from Purdue University. He spent 20 years in the industry where he held technical and managerial positions before joining WPI in July 2011.

Assistant Vice Presidents:

Associate Vice President Chapter Activities: Natalia Ciobanu

Associate Vice President Electronic Presence: Onur Özgün

Associate Vice President Finance: David Andersen

Associate Vice President Marketing & Communications: Nancy Zoellner

Associate Vice President Meetings: Özge Karanfil

Associate Vice President Membership: Burak Guneralp

Associate Vice President Pre-College Education: Anne LaVigne