System Dynamics Society

2015 POLICY COUNCIL

Meet the Officers And Members Of The Policy Council

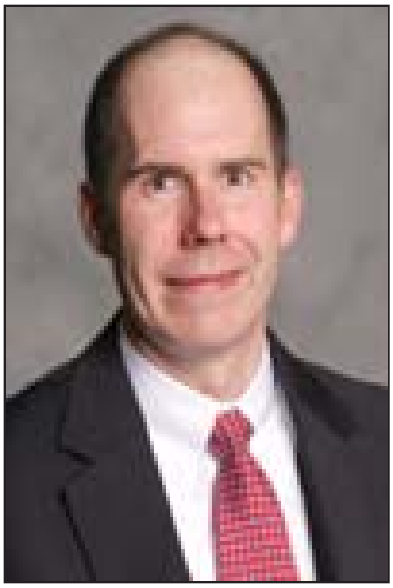
The Policy Council is the governing body of the System Dynamics Society. It shall set policies and issue directives and shall monitor the work of officers and other activities under way or planned. It shall meet as specified in the bylaws and may hold additional electronic discussions and votes throughout the year as needed. It shall review and approve the budget and act 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.

Jürgen Strohhecker – President (2015)

Jürgen Strohhecker is professor for operations and cost management at the Frankfurt School of Finance and Management, Germany. He teaches courses in System Dynamics, production and operations management, supply chain management, and management accounting. His research interests include complex dynamic decision making, behavioral operations management, behavioral accounting and production control. He is a longstanding member of the System Dynamics Society, member of the Nominating Committee (2011-2013) and President Elect 2014. From 2006 to 2014, he served as member of the management board of the German Chapter (Deutsche Gesellschaft for System Dynamics e.V.), and from 2010 to 2014 as president.

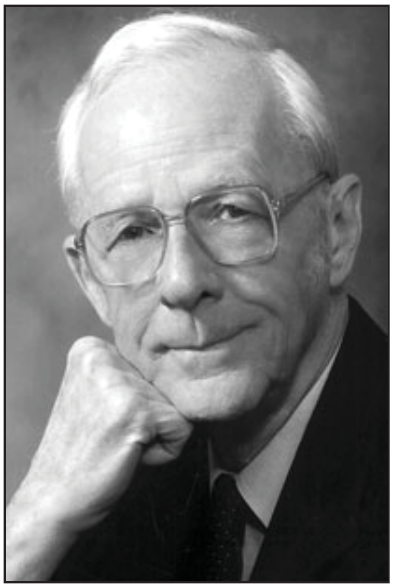
Etiënne A. J. A. Rouwette – President Elect (2015)

Etiënne Rouwette holds a position as associate professor at the Methodology Department of the Nijmegen School of Management, Radboud University Nijmegen (the Netherlands.) He lectures on empirical research methods and group decision support methods such as facilitated modeling, multiple scenario development, Electronic Meeting Systems, and gaming simulation in bachelor, master and post doctorate modules at Radboud University and Loughborough University. His research focuses on group decision making and the impact of decision support methods on interaction, cognition and behavior. Etiënne is the coordinator of the Nijmegen School of Management's decision rooms: the Decision lab and VISA skills lab. He currently supervises PhD researchers involved in modeling health care, housing and energy issues, information exchange in groups, and the impact of modeling on cognition.



Edward G. Anderson – Past President (2015)

Dr. Edward Anderson is an Associate Professor of Operations Management at University of Texas McCombs School of Business. He received his doctorate from MIT and his bachelor degree, with majors in history and electrical engineering, from Stanford University. His research interests include outsourced product development (distributed innovation) and project management, healthcare delivery, knowledge management, supply chain management, and computer simulation (especially System Dynamics). He has published articles and is a co-author of *The Innovation Butterfly: Managing Emergent Opportunities and Disruptions Under Distributed Innovation.* He is co-author of *Operations Management for Dummies.* Dr. Anderson won the Wickham Skinner Early-Career Research Award from the Production and Operations Management Society. He is the Department Editor of Production and Operations Management for Industry Studies and Public Policy and was President of the System Dynamics Society in 2014. He has received research grants from the National Science Foundation, the U.S. Veterans Administration, SAP, and Hewlett-Packard. Professor Anderson has consulted with Ford, Shell, Dell, Hewlett-Packard, Frito-Lay, and Atlantic-Richfield and holds six U.S. and international patents from his work at the Ford Motor Company.

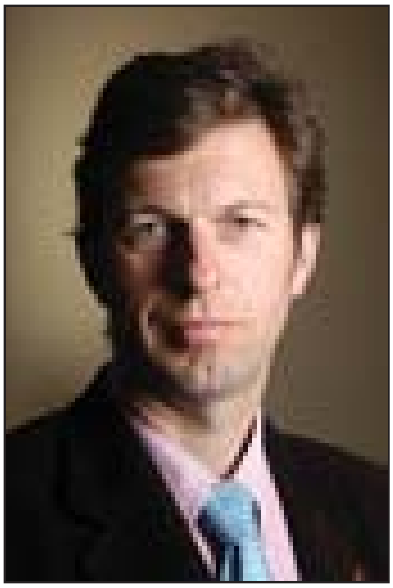


Jay W. Forrester – Founding President

Jay W. Forrester, Professor Emeritus of Management at MIT, began what became the field of System Dynamics in 1956 and has had a profound and lasting influence on it throughout its 50+ year history. A computer pioneer, Jay directed the MIT Digital Computer Laboratory from 1946 to 1951 and was responsible for the design and construction of Whirlwind I, one of the world's first high-speed digital computers. In that effort he invented and holds the patent for random access core memory (RAM). Invited to the Sloan School of Management, Jay directed the System Dynamics Group from 1956 until his retirement in 1989. His seminal book *Industrial Dynamics* (1961) is still a significant statement of philosophy and methodology in the field. His later books and his numerous articles broke new ground in the understandings of complex human systems and policy problems. Jay is the Founding President of the Society. Still sought out for his wisdom, it is fitting that he is focusing most of his current efforts on bringing understandings about complex system dynamics to K-12 education.

Brad Morrison – Secretary (2015-2016)

Brad Morrison, 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. He 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.



Martin Schaffernicht – Vice President Chapter Activities (2014-2016)

Martin Schaffernicht is associate professor at the college of business administration University of Talca in Chile. Born and raised in Germany, he was originally trained as an economist (Freiburg, 1990), then worked in France as a research engineer for rural banking projects and obtained a PhD in Management in 2012 (Montpellier, France.) The PhD deals with management cybernetics. Martin moved towards Systems Dynamics as a way to design decision rules and has been a member of the System Dynamic Society since 2003. His research evolves around the question, 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. He has also authored a Spanish textbook for System Dynamics. Inside the System Dynamics Society, he has served as president of the Latin-American Chapter, founding editor of the *Revista de Dinámica de Sistemas*, president of the Economics Chapter and is currently Vice-President Chapter Activities on the Policy Council.

Robert L. Eberlein – Vice President Electronic Presence (2015-2017)

Co-President, isee Systems and consultant. Current System Dynamics Society Vice President of Electronic Presence. 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 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.

David F. Andersen – Vice President Finance (2014-2016)

David Andersen is Distinguished Service Professor of Public Administration, Public Policy, and Information Science at the Rockefeller College, University at Albany. His work centers on applying System Dynamics, systems thinking, and information technology approaches to problems in the public, not-for-profit, and private sectors. He has served as a technical consultant to public and not-for-profit agencies in the federal, state, and local sectors as well as corporate clients in North America and Europe. Professor Andersen is co-author of *Introduction to Computer Simulation*: *The System Dynamics Modeling Approach* (winner of the Forrester Award in 1983) and *Government Information Management* as well as over 80 journal articles, book chapters, monographs, and edited volumes. He holds a PhD in Management from MIT's Sloan School (1977) with a specialization in System Dynamics as well as an AB in Mathematics and Urban Studies from Dartmouth College (1970).

Peter Hovmand – Vice President Marketing & Communications (2014-2015)*

Peter Hovmand, PhD, is the founding director of the Brown School's Social System Design Lab. He has a BS in electrical engineering and BA in mathematics from Bucknell University. He received his masters in social work with a clinical concentration and interdisciplinary social science doctorate in social work and community psychology from Michigan State University. Dr. Hovmand's research and practice focus on using participatory group model building methods to involve communities and other stakeholders in the process of understanding systems and designing solutions using System Dynamics models and computer simulations with a specific emphasis on promoting social justice. The approach is described in *Community Based System Dynamics* (Springer, 2013). Application areas include early child and maternal health, childhood obesity, energetics and cancer, mental health, domestic violence, child welfare, household economic security, structural racism, educational equity, K-12 education, and the implementation and scale-up of health innovations. His research has been funded by the NSF, NIH, CDC, Robert Woods Johnson Foundation, and Substance Abuse & Mental Health Services Administration. **partial term*

Leonard Malczynski – Vice President Meetings (2013-2015)

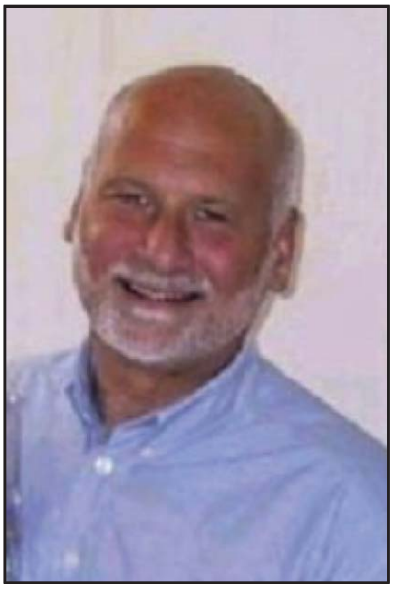
Principal Member of the Technical Staff at Sandia National Laboratories. Len is a former US Peace Corps volunteer and has worked in more than 10 countries in Africa, Asia, and the Caribbean applying and teaching software engineering and System Dynamics. He served as the conference chair for the 27th International Conference of the System Dynamics Society. His current work involves modeling workforce issues, food-water constraints, and adoption of photovoltaic technology. His research interests are in model mechanics and best practices. He is the group coordinator of the Powersim Tools international user group on Yahoo. He was an adjunct professor in software engineering and microeconomics for 26 years. He holds a Bachelor degree in Forestry, MS in Agricultural Economics, MA in economic theory, MBA, and a graduate certificate in System Dynamics.

Özge Pala – Vice President Membership (2015-2017)

Özge Pala is an assistant professor of management and strategy at the College of Administrative Sciences and Economics, Koç University, Istanbul, Turkey. She holds a PhD from Nijmegen University, the Netherlands. Her research focuses on modeling and analysis of escalation of commitment and other information search biases. Her teaching interests include organizational behavior and behavioral decision making. She has been active in the System Dynamics Society for the past 15 years. In 2013, she co-organized the European System Dynamics Workshop in Istanbul. She was one of the founders of the Student Chapter and co-organized the first PhD Colloquia.

Kenneth G. Cooper – Vice President Professional Practice (2014-2015)*

Mr. Cooper is Chairman and CEO of Cooper Human Systems, 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). **partial term*



Pål Davidsen – Vice President Publications (2015-2017)

President 2003, local chair for the 2000 conference, and program chair for both the 2002 and 2014 conferences. Professor of System Dynamics, Department of Geography, University of Bergen, Norway (Associate Professor since 1983, Full Professor since 1991). Visiting scholar at the System Dynamics Group, MIT (1985 and 1990/91). Head of research at the Center for Educational Software Development, State College of Karlstad, Sweden (1987- 92). Founder and coordinator of the Masters and PhD Programme in System Dynamics at the University of Bergen. Member of the Educational board of the European Program in System Dynamics. In his research, Prof. Davidsen focuses on how to understand and manage complex, dynamic systems and on theories, methods, techniques and tools (software) to: identify the structural foundations of systems behavior with an emphasis on knowledge elicitation, analysis, and abstraction (distillation); identify appropriate ways to govern systems by developing effective and efficient structural policies, well balanced in the form of a strategies; identify appropriate ways to implement policies and strategies through individual and organizational learning and by using System Dynamics as a foundation for information Systems Development.

Elise Axelrad – Policy Council (2013-2015)

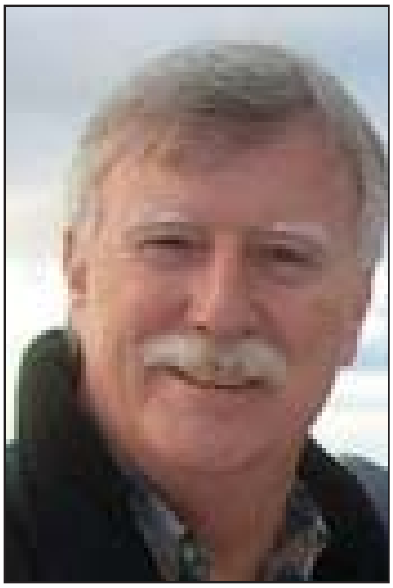
Dr. Elise Axelrad is a Senior Scientist in HumRRO's Modeling and Simulation Program. Elise focuses her work in the areas of probabilistic inference and forecasting, System Dynamics models, decision support, workshop facilitation for expert knowledge elicitation, problem framing, workforce reporting and analysis, and content analysis. Because her work bridges between psychology and mathematical modeling, she enjoys collaborating with computer scientists and engineers to ground mathematical models of human behavior in valid social science literature.

Timothy Taylor – Policy Council (2013-2015)

Timothy R. B. Taylor, P.E., PhD is an Assistant Professor of Civil Engineering specializing in Construction Engineering and Project Management. Dr. Taylor is also the Program Manager for the Construction Engineering and Project Management Program within the Kentucky Transportation Center. Dr. Taylor earned his BS in Civil Engineering (1999) and MS in Civil Engineering (2001) from the University of Kentucky and his PhD in Civil Engineering (2009) from Texas A&M University. Dr. Taylor has worked in the construction industry as a construction laborer, surveyor's assistant, design engineer, mining shift foreman, and railroad operations manager. Dr. Taylor joined the faculty at the University of Kentucky in August of 2009. Dr. Taylor teaches graduate and undergraduate courses on construction engineering, construction project controls, strategic project management, and power economics and public policy. Dr. Taylor has served as a principle investigator for over $1.2 million in funded construction research since 2009 and has been awarded the International System Dynamics Society's Dana Meadows Award for excellence in doctoral research. Dr. Taylor is a licensed professional engineer in Kentucky and Texas.

Inge Bleijenbergh – Policy Council (2013-2015)

Inge Bleijenbergh is Assistant Professor Research Methods at the Radboud University Nijmegen in the Netherlands. She teaches in the European Master Programme in System Dynamics. Her research involves stock flow failure, participatory research methods like group model building (GMB) and dynamic processes around gender and diversity in organizations. She was awarded European Commission 7th Framework research grants STAGES (2012-2016) and EGERA (2014-2018) to examine structural transformation processes on gender equality in academia. Within the projects she examines group model building with deans and managers of research institutions in six European countries. She is a member of the Policy Council of the System Dynamics Society and chairs the Diversity Committee (with Peter Hovmand).



David Wheat – Policy Council (2014-2016)

David Wheat is an associate professor of System Dynamics at the University of Bergen in Norway, where he teaches courses in the modeling process, and policy design and implementation. His research focuses on demographic and economic issues, plus policy design research aimed at improving the methodology of System Dynamics modeling. Wheat is also visiting professor of economics at ISM University of Management and Economics in Lithuania and adjunct professor of economics at Virginia Western College in the United States. He is past-president of the Economics Chapter of the International System Dynamics Society, and has conducted guest lectures in Africa, Europe, and North and South America. For three decades, he was president of Wheat Resources Inc, a management consulting firm serving business and government clients. He received his PhD in System Dynamics at the University of Bergen, his master's degree in public policy from Harvard University, and his bachelor's degree in political science at Texas Tech University. During the 1970s, he served at the White House as staff assistant to the President of the United States.

Jim Duggan – Policy Council (2014-2016)

Dr. Jim Duggan is a Senior Lecturer in the College of Engineering and Informatics at the National University of Ireland, Galway. He lectures on systems modeling and simulation, and also teaches courses in computer science and software design. His research focuses on multi-method approaches for decision support, using System Dynamics, data science, and artificial intelligence techniques. He collaborates on a broad range of public health and environment projects, including: participatory surveillance, digital disease detection, design of mHealth interventions to support patient behavior change, and the use of machine learning methods for marine decision support systems. Dr. Duggan is an Associate Editor for the *System Dynamics Review*, was co-guest editor for the *SDR* Virtual Issue on *Methods for Identifying Structural Dominance*, and has previously acted as co-chair of the Methodology Thread at the International Conference of the System Dynamics Society.

Warren Farr – Policy Council (2014-2016)

Currently CEO of Refrigeration Sales Corporation, a privately owned midwest WholeServer™ of heating, ventilating, air conditioning, and refrigeration equipment, parts, and supplies. During Warren's 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 Warren 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, Warren 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.

Elke Husemann – Policy Council (2014-2016)

Elke Husemann was the Program Co-chair at the International System Dynamics Conference held in St. Gallen, Switzerland in 2012. She is a co-recipient of the Jay Wright Forrester Award for the article *Steering Away from Scylla, Falling into Charybdis: The Importance of Recognising, Simulating and Challenging Reinforcing Loops in Social Systems* published in Entscheiden in Komplexen Systemen [Decision-making in Complex Systems] in 2002.

Stefano Armenia – Policy Council (2015-2017)

Senior Research Fellow at the Sapienza University of Rome. Currently, President of the System Dynamics Society Italian Chapter. Stefano Armenia was born in Rome 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 Department of Enterprise Engineering at the University of Rome Tor Vergata, where he received his PhD in Economical and Managerial Engineering, a Master degree in Business Engineering. He started his collaboration as a research fellow with Sapienza University in 2008, where he has been participating in or coordinating many national and international 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.

Özge Karanfil – Policy Council (2015-2017)

PhD candidate and teaching assistant in Management Science – System Dynamics Group at MIT Sloan School of Management. Current and past academic interests include dynamic modeling for policy analysis, integrating public health research with complex systems science and modeling, physiologically oriented disease modeling, medical decision analysis, dynamics of obesity and body weight, applications of the System Dynamics methodology, network analysis, and creation of interactive learning platforms. For more info: www.linkedin.com/in/ozgekaranfil.

Gönenç Yucel – Policy Council (2015-2017)

Assistant Professor, Bogazici University, Turkey. System Dynamics Society member for eight years. Active in the Energy SIG, and co-chairing the Model Analysis SIG since 2011. Organized the PhD Colloquium in 2009. Gönenç Yücel received his BS and MS degrees in industrial engineering from Bogaziçi University in 2000 and 2004. After earning his PhD degree in Policy Analysis from Delft University of Technology, he joined Bogaziçi University Industrial Engineering Department as an assistant professor. In general, Gönenç has been focusing on simulation methodology, and simulation-supported policy analysis in his research, utilizing agent-based, as well as System Dynamics models. He has been offering graduate level courses on System Dynamics and model-supported policy analysis. For more information: www.gyucel.net.

Erik Pruyt – Policy Council (2015-2017)

Assistant Professor of System Dynamics and Policy Analysis at the Faculty of Technology, Policy and Management at Delft University of Technology, the Netherlands, where he teaches System Dynamics to about 250 students per year and supervises many BSc, MSc and PhD students in System Dynamics as well as in Exploratory Modeling and Analysis. More than 100 of his System Dynamics teaching cases are available online through his free e-book *Small System Dynamics Models for Big Issues*. He was one of the founders of the BeNeLux Chapter, is the current BeNeLux Chapter representative, and organized several BeNeLux Chapter conferences. He also presided over the Health Policy SIG and is one of the Health Policy Thread co-chairs. He is one of the local organizers of the International System Dynamics conference in 2014 and 2016. His methodological research focuses on developing methods and techniques for dealing with dynamically complex and deeply uncertain policy issues. His applied research interests include (but are not limited to) health policy, energy and environmental policy, safety and security, and public policy in general.

Assistant Vice Presidents:

Assistant Vice President Chapter Activities: Stefano Armenia
Assistant Vice President Electronic Presence: Onur Özgün
AssistantVice President Finance: Eliot Rich
Assistant Vice President Meetings: Özge Karanfil