



70 Academicians (2019/12/31)

-alphabetic order-

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The International Academy for SYSTEMS and CYBERNETIC SCIENCES



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IASCYS 2020 yearbook

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24 June 2019

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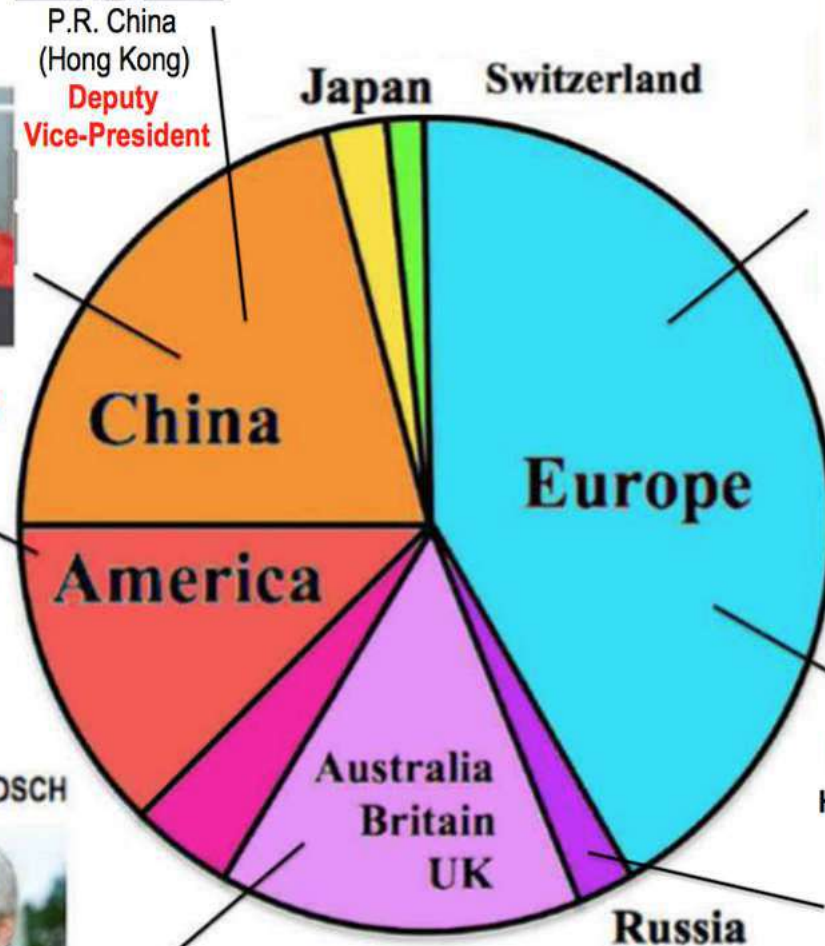
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**The International
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Mary Catherine Bateson is a writer and cultural anthropologist. She has retired from teaching but continues as a visiting scholar at Boston College's Center on Aging and Work. She was educated at Radcliffe (BA 1960) and Harvard (PhD 1963). She was Dean of the Faculty at Amherst College 1980-83. From 1987 to 2002, Bateson was Clarence J. Robinson Professor in Anthropology and English at George Mason University, becoming Professor Emerita in 2002. She has also taught at Harvard, Northeastern, Amherst, and Spelman College, as well as overseas in the Philippines and Iran.

Bateson's original research interest was in the Middle East. More recently she has been interested in how women and men work out distinctive adaptations to culture change, learning from those around them and improvising new ways of being. She is currently exploring how extended longevity and lifelong learning modify the rhythms of the life cycle and the interaction between generations.

Her books include: With a Daughter's Eye: A Memoir of Margaret Mead and Gregory Bateson; Composing a Life; Peripheral Visions: Learning Along the Way; Full Circles, Overlapping Lives: Culture and Generation in Transition; and Willing to Learn: Passages of Personal Discovery; and Composing a Further Life: The Age of Active Wisdom, September 2010.

Bateson is married and has a married daughter and two grandsons. She lives in Southern New Hampshire.

https://en.wikipedia.org/wiki/Mary_Catherine_Bateson
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Ockie Bosch is currently the Director of SysPrac Pty Ltd in Australia, a Research Professor at Malik Management in St Gallen, Switzerland and actively involved in Systems Education at Keio University in Japan. He has been appointed as the Business Development Manager of a large tourism company, Outback Tour Services, in Australia, which experiences increasing demands for dealing with complex issues due to its fast growing linkages with a network of international tourism companies and agencies.

Bosch has worked towards achieving sustainability and resilience in the face of climate change and other societal and environmental challenges with a systems-based focus on complex issues such as sustainable and resilient communities, consumers and food security and safety, energy, and liveability. His work in this area has led to a large systems research program addressing three major leverage points for changing the way that people think: Evolutionary Learning Laboratories, “Starting with the Young” and Systems Education. The Evolutionary Learning Laboratory approach has been successfully applied in Bill Gates funded research on addressing the labour issues of women in agriculture in sub-Saharan and south east Asian countries. He is the first author of two books and has contributed to several ones. He contributed so far over 70 journal articles since 2003, despite the fact that he was in an administrative position as Head of School at the University of Queensland. He received a Certificate of Merit from the Vietnamese Government for Contributions to Integrated Governance and diffusing systems thinking in Vietnam and an award from the Chinese Government for Foreigner with highest scientific impact on China’s National Day.

He has been awarded many research grants and is often invited to be keynote speaker at international conferences. He has also been invited as Distinguished Guest Professor to Keio University and as a Specialist Professor to the Doctoral program of the University of Patagonia.

Bosch was appointed as Editor-in-Chief of Systems Journal and serves or has served on the editorial board for several other journals such as the Systems Research and Behavioral Science Journal, the Journal for the Grassland Society of Southern Africa, and the Australian Rangeland Journal.

He was President of the International Society for the Systems Sciences (ISSS) (2016/17) and is currently iVice-President of the International Academy for Cybernetics and Systems Sciences. He also serves or has served on the board for the ISSS, the Business Systems Laboratory in Italy the Centre for Native Floriculture at the University of Queensland, the Noosa Biosphere, the Academic Board of the University of Queensland, President (2005) of the Agricultural Production Systems Research Unit, and the board of the CRC Tropical Savannas.



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Habilitation in cognitive science, PhD in mathematical economics
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2012- Founder and President of the Complex Systems Digital Campus
2015- Permanent Board member of the Complex Systems Institute of Paris Ile-de-France
2006- Director of the National Network of Complex Systems (then honorary director)
2005-2010 Director of CREA-Ecole Polytechnique
2006-2008 Director of the Complex Systems Institute of Paris Ile-de-France
1995-2010 Head of the «complex systems» research group of CREA-Ecole Polytechnique
1994-1995 Director of the Complex Systems Engineering Laboratory of CEMAGREF
1987-1994 Director of the Artificial Intelligence and Artificial Life Laboratory of CEMAGREF
1983-1985 Director of the agricultural sector of the Centre Mondial Informatique

Paul Bourgine is honorary director of the French National Network of Complex Systems, president of the UniTwin UNESCO CS-DC and the former director of CREA (Ecole Polytechnique and CNRS). PhD in Economics (1983), Habilitation in cognitive science (1989). First President of Complex Systems Society. Scientific interest: complex adaptive systems, large interactive networks. Current research fields: genetic networks, neural networks, social networks and social cognition, learning and co-evolutionary dynamics, reconstruction and robustness/resilience of multiscale dynamics. Co-chair of the two first conferences in Economics and Artificial Intelligence (1986,1990), of the first European Conference of Artificial Life (1990), of the first European Conference in Cognitive Economics (2004), Chair of the first European Conference on Complex Systems (2005), co-chair of the two first conferences on Morphogenesis in living systems. Thirty PhD supervised, thirty five research grants, eighty articles, one patent, editor of many volumes including: Towards a practice of Autonomous systems, MIT-Press, 1992 with Francisco Varela ; Economics and cognitive science, Pergamon Press, 92 ; Cognitive Economics: an interdisciplinary approach, Springer Verlag 2004, with Jean-Pierre Nadal; Morphogenesis : the origin of forms, Springer Verlag 2010, with Annick Lesne.

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Retired Professor, Université de Pau et des Pays de l'Adour, France, Europe,
Biology & Health and Social Sciences Engineering

Teaching & Research in Biology, Physiology, Genetics and Ecology

Biological Rhythms: from the wild to the laboratory and back & from cell to man (1989-)

Physiological, Biochemical, Ecological & Genetical Aspects of Plant Enzymes & Pigments (1982-), Tissue Cultures (1971-)

Sustainable Management of Natural Resources Agronomy (1973-) and Environmental Education (1980-)

Teaching & Research in Engineering, Technology and Informatics

Systems Theories & Applied Computing and Data Bases (modelling, programming, simulating) (1984-)

BioTechnology: Patents of bacterial strains (1977) and chemicals (1981),

Quality Control methodology & software CTRLQUAL (1988)

Training/coaching Governance & Education (1983-), information and communication (1986-)

Research in Health Engineering and Traditional Medicine

sleep and performance in education (1986-) and sport (1993-)

vaccine methodology AIDS curative vaccine, Paris (2005) <http://hal.archives-ouvertes.fr/hal-00352578/fr>

cancer curative vaccine, Lisbon (2008) <http://hal.archives-ouvertes.fr/hal-00351226/fr>

therapies without chemicals: lithotherapy (2000-), reflexotherapy (2005-), Jin Shin Jyutsu (2018-)

Research in Societal Engineering and Life Quality Control

Anthropo-politics, system's evolution and Governance (1987-) <http://halshs.archives-ouvertes.fr/halshs-00130212>

ARMSADA (1985-) <http://hal.archives-ouvertes.fr/hal-00130218/fr>

More than 250 works (papers, books, CD, booklets) in more than 20 countries and UNESCO (1981),

All OnLine “**Creative Commons**” works (2000-):

Back to Fundamentals in Biology & Systemics Practical Applications Paradigms, new Methodologies & Key Words,

New Paradigms: “*the gauge invariance of life*”, PhyloTagmoTaphology <http://hal.archives-ouvertes.fr/hal-00423730/fr>

website *Associations for the Reciprocal and Mutual Sharing of Advantages and DisAdvantages* <http://www.armsada.eu>

Managing Editor of online International Meetings and Reviews: (2000-)

AFSCET <http://afscet.asso.fr/interventions.html>, Res-Systemica (AFSCET, Paris, France) <http://www.res-systemica.org>

Acta Europeana Systemica (UES-EUS, Brussels, Belgique, <http://ues-eus.eu>) <http://aes.ues-eus.eu/index.html>

Previously member of boards of International Organizations: The European Union for Systemics UES-EUS and The WOSC,
National **not-profit NGO** board memberships: ALBA President, PELLEAS Treasurer



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Søren Brier is MSc in ecological biology focusing on ethology from U. of Copenhagen, Ph.D. in Philosophy of Information Science at U. of Roskilde and Doctor (Habil) of transdisciplinary Philosophy of science at CBS with the book *Cybersemiotics: Why information is not enough*, Toronto University of Press (now a Google book and on Kindle, Cybersemiotics.com). He is founder and editor in Chief of the interdisciplinary quarterly journal *Cybernetics & Human Knowing*, a fellow of the *American Society for Cybernetics* receiving *The Warren McCulloch Award*; one of the founders of *Int. Ass. For Biosemiotic Studies* and on the editorial board of its Journal *Biosemiotics* as well as the scientific board of *The Science of Information Institute* and *the Foundation of Information Science* and of several scientific journals. He has an interest in the pragmaticist and semiotic philosophy of C. S. Peirce and the system science of N. Luhmann, which he has attempted to combine in the transdisciplinary framework called Cybersemiotics. See Cybersemiotics.com, where you can find videos of international talks and other activities.

https://da.wikipedia.org/wiki/Søren_Brier
https://en.wikipedia.org/wiki/Cybernetics_and_Human_Knowing
<http://cbs.academia.edu/SørenBrier>



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Pille Bunnell is a systems ecologist and second order cybernetician with a passion for education as her contribution to the sustainability of earth. She is particularly interested in the implications of thinking and acting based in a constitutive ontology and epistemology, and thus continues to explore the ramifications of reflections as they alter how we humans see ourselves and how we relate to each other and the world around us.

Pille earned her PhD at the University of California, Berkeley following her BSc in Honors Zoology at the University of British Columbia. She began her professional life participating in the Tundra Biome studies of the International Biological Program. She continued with a Research Associateship with the Institute of Animal Resource Ecology at UBC with Dr. C.S. Holling. This led to nearly two decades as an international environmental consultant working in adaptive environmental assessment and management with ESSA Technologies. Within that company she became the Director of Environmental Literacy. After an early retirement to accommodate care of a family elder, she engaged with the American Society of Cybernetics and served as President 1991-2001. She has organized several conferences for the society, In 2001 Pille began to conduct seminars at the University of British Columbia, which eventually led to a new passion, namely teaching. Since 2003 she has been teaching several Systems Courses at Royal Roads University, as well as in several other venues including SelfDesign Graduate Institute and the Living Language Foundation.

Pille is the recipient of the Norbert Weiner Award for contributions to second order cybernetics (ASC), and the Kelly Award for outstanding teaching (RRU). Her particular style of illustrated presentations gets her invited to various conferences as a speaker.

Some recent publications include Reflections on the Ontology of Observing (2005), Dancing with Ambiguity (2015), ASC 1999-2001 (2015), An Invitation to Creative Refection (2017) in Cybernetics and Human Knowing as well as Reflections on Learning and Designing (2017) and The Soul of Resilience (2018) in Kybernetes.



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Tom R. BURNS has a B.S. in Physics and Ph.D. in Sociology, both at Stanford and is Professor Emeritus, University of Uppsala, Sweden and Senior Researcher at Lisbon University Institute (ISCTE)). He has published more than 20 books and 150 articles in the areas of systems theory and methodology, the sociology and politics of environment and technology, governance and democracy, studies of markets, administration and management; institutional theory, sociological game theory, and socio-cultural evolution. Much of his theoretical, empirical, and policy research and publications are based on social system and cybernetic conceptualizations and analyses. He has been a Jean Monnet Visiting Professor, European University Institute, Florence (2002), twice a Fellow at the Swedish Collegium for Advanced Study (1992, 1998), a Visiting Professor at the European University Institute (1998), a Visiting Professor at the Wissenschaftszentrum Berlin (1985), and Visiting Scholar (2004-2013) at Woods Institute for the Environment, Stanford University as well as a visiting scholar at a number of other leading universities in Europe and the USA (Lisbon University Institute, University of Lund, Norwegian University of Life Sciences, Stockholm University, George Mason University, USA). From 1976 until recently, Burns has worked as a consultant with the Scandinavian Institutes for Administrative Research (SIAR), the Swedish Institute for Opinion Research (SIFO), the EU Commission, CEFIC (European Chemical Industry), among others.

Recent publications include: -Burns in collaboration with Alberto Martinelli and Philippe De Ville, 2017 "Minimizing The Risk Of Boom-And-Bust Cycles In Financial Markets: A Socio-Economic Systems Perspective". In Joc Pixley and Helena Flam (eds.), Critical Junctures In Mobile Capital, Cambridge University Press., -Burns, T. R., A. Martinelli, and P. De Ville 2013 "A Socioeconomic Systems Model of the Global Financial Crisis of 2007+: Power, Innovation, Ideology, and Regulatory Failures." In: J. Pixley and G. Harcourt (eds.) Financial Crises and the Nature of Capitalist Money, London: Palgrave Macmillan., -Tom R. Burns and Nora Machado des Johansson 2017 Disaster Risk Reduction and Climate Change Adaptation—A Sustainable Development Systems Perspective. Sustainability, Vol 9: 1-14., -Burns, T. and E. Roszkowska, 2016. "Rational Choice Theory: Toward a Psychological, Social, and Material Contextualization of Human Choice Behavior." Theoretical Economics Letters, 6(2): 195-207., -Tom R. Burn 2016 "Sustainable Development: Agents, Systems and the Environment," Current Sociology; Vol 64(6): 875-906., -Burns with Ugo Corte and Nora Machado, The Sociology of Creativity: Parts I, II, III Human Systems Management (2015-2016)., -With Marcus Carson and Dolores Calvo, Public Policy Paradigms: The Theory and Practice of Paradigm Shifts in the EU (2009)., -The Sustainability Revolution: A Societal Paradigm Shift (2012); Sustainability. Vol. 4 (6), 1118-1134., -with Peter M. Hall and others The Meta-Power Paradigm: Structuring Social Systems, Institutional Powers, and Global Contexts (2012).

Other works include: Man, Decisions, Society: (1985; with T. Baumgartner and P. De Ville), The Shaping of Socio-economic Systems (1986; 2014 with Baumgartner and De Ville); The Shaping of Social Organization: Social Rule System Theory with Applications (1987; with H. Flam); Societal Decision-making (1992; with S. Andersen), Creative Democracy (1988; with R. Ueberhorst); Municipal Entrepreneurship and Energy Policy: A Five Nation Study (1994; with A. Woodward and J. Ellig); Transitions to Alternative Energy Systems: Entrepreneurs, New Technologies, and Social Change (1984; with T. Baumgartner).

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Professor Cai has played a leading and prominent role in promoting the development of systems engineering discipline in Hong Kong as well as in the Asia-Pacific region. He served as the Chairman of the Department of Systems Engineering and Engineering Management, the first department of such disciplines in Hong Kong. Under his leadership, this Department developed into a strong and highly influential force in systems engineering and engineering management in the Asia-Pacific region. He has in recent years been appointed as Dean of School of Science and Engineering, Director of Graduate Studies, and Associate Vice President (Education), of CUHK's new campus in Shenzhen (PR China), which further strengthen and extend his endeavor to be a leading educator in systems engineering and the related science and engineering disciplines. Professor Cai's research interests are mainly in systems engineering, operations research, and management science. He has published over 200 papers in academic journals, books, and conferences, including more than 100 papers in leading journals.

Professor Cai has made significant contributions in practical applications. These include optimal dispatching of hydrothermal power systems, a single-track train scheduling system implemented in Australia, a manpower planning system for the air-cargo terminal of Hong Kong, industrial automation program for Hong Kong electronic manufacturing industry, carbon emission modelling for residential buildings, digital conservation of historical and cultural sites, etc. He co-leads the establishments of the Shenzhen Research Institute of Big Data and the Shenzhen Key Lab for IoT Intelligent Systems, which receive substantial funding supports from the government and the industry, and are expected to advance significantly the R&D and industrial applications in these increasingly important areas.

Professor Cai received the Outstanding Young Scientist award (overseas category) from the National Natural Science Foundation of China, and was awarded the titles of "National 1000-Talent Plan Expert" and "Pearl-River Leading Scholar". He is a Fellow of Hong Kong Institute of Engineers.



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Jinde Cao received the B.S. degree from Anhui Normal University, Wuhu, China, the M.S. degree from Yunnan University, Kunming, China, and the Ph.D. degree from Sichuan University, Chengdu, China, all in mathematics/applied mathematics, in 1986, 1989, and 1998, respectively. He joined the School of Mathematics, Southeast University (SEU), Nanjing, China, in 2000, where he is an Endowed Chair Professor, the Dean of the School of Mathematics, the Director of the Jiangsu Provincial Key Laboratory of Networked Collective Intelligence of China and the Director of the Research Center for Complex Systems and Network Sciences at SEU. From 1989 to 2000, he was with Yunnan University. From 2001 to 2002, he was a Post-Doctoral Research Fellow with the Chinese University of Hong Kong. Prof. Cao was a recipient of the National Innovation Award of China, Obada Prize and the Highly Cited Researcher Award in Engineering, Computer Science, and Mathematics by Thomson Reuters/Clarivate Analytics. He is elected as a fellow of IEEE, a member of the Academy of Europe, a member of the European Academy of Sciences and Arts, a fellow of Pakistan Academy of Sciences, and an IASCYS Academician.

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Antonio Caselles has been the Vice President of the “Sociedad Española de Sistemas Generales” (SESGE), the Spanish Society for General Systems, which is a member of the International Federation for Systems Research and the European Union for Systemics. He has also been the Director and Editor of the “Revista Internacional de Sistemas” (International Systems Review), a publication of SESGE.

Caselles is interested in the construction of logical-mathematical models which attempt to reproduce the structure and behavior of complex social, biological or ecological systems. These models, as computer programs, allow managers to simulate intervention strategies. He focuses on the automatic programming of computers including search functions that interrelate several variables (data mining).

Caselles is the author of more than 100 articles published in scientific journals or as book chapters about systems theory and its applications to real-life problems, especially socio-economic, ecological and psychological problems. He has conducted diverse research projects with competitive public financing and has consulted with private companies and government agencies. He is the author of the books: [Control del desempleo por Simulación](#) and [Modelización y simulación de sistemas complejos](#).

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Guang-Ya Chen is a professor of systems science at the Academia Sinica in Beijing. Chen is also the Editor-in-Chief of *Systems Engineering Theory and Practices* and the Associate Editor of *Acta Mathematica Scientia* and of the *Journal of Optimization Theory and Applications*.

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In 1995 Guang-Ya Chen was awarded second place and in 2001 took home first place for the Natural Science Prize of Chinese Academy of Sciences. In 2000 Chen was awarded the Institute for Scientific Information Citation Classic Award.

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Han-Fu Chen is a professor at the Key Laboratory of Systems and Control, the Institute of Systems Science, the Academy of Mathematics and System Sciences, and at the Chinese Academy of Sciences. He is also an associate editor of *Stochastics and Stochastics Reports*, as well as an advisory board member for *Discrete Event Dynamic Systems*, the *Asian Journal of Control*, and *Kybernetes*.

Han-Fu Chen works in the fields of automation and systems control engineering. His research interests include system identification, adaptive control, stochastic approximation and recursive estimation.

Han-Fu Chen has been a visiting professor at several universities in Canada, the United States, Australia, Japan and more.

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Jian Chen is a professor at Tsinghua University in the School of Economics and Management. He is also the Director of the Research Center for Contemporary Management.

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Jian Chen works on several journals, he is the editor for the *Journal of Systems Science and Systems Engineering*, an area editor for *Electronic Commerce Research and Applications*, and he is a Member of the Editorial Board for *Systems Research and Behavioral Science*, the *International Journal of Knowledge and Systems Science*, and *Flexible Services and Manufacturing*.

Jian Chen works in the fields of systems engineering and management science. He is the author or co-author of 5 Books and over 200 journal papers.

Jian Chen has been awarded the National Award of Teachers for Guidance for Excellent Doctoral Dissertation Paper in 2010 and was ranked as a Changjiang Scholar in 2007, both by the Ministry of Education of China. He received an IBM Faculty Award from the IBM Corporation in 2008. He also has a Fudan Management Excellence Award from the Fudan Premium Fund of Management, awarded in 2006.



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C. L. Philip Chen is the Chair Professor and Dean of the College of Computer Science and Engineering, South China University of Technology. Being a Program Evaluator of the Accreditation Board of Engineering and Technology Education (ABET) in the U.S., for computer engineering, electrical engineering, and software engineering programs, he successfully architects the University of Macau's Engineering and Computer Science programs receiving accreditations from Washington/Seoul Accord through Hong Kong Institute of Engineers (HKIE), of which is considered as his utmost contribution in engineering/computer science education for Macau as the former Dean of the Faculty of Science and Technology. He is a Fellow of IEEE, AAAS, IAPR, CAA, and HKIE; a member of Academia Europaea (AE), European Academy of Sciences and Arts (EASA), and International Academy of Systems and Cybernetics Science (IASCYS). He received IEEE Norbert Wiener Award in 2018 for his contribution in systems and cybernetics, and machine learnings. He is also a highly cited researcher in 2018 and 2019 by Clarivate Analytics.

His current research interests include systems, cybernetics, and computational intelligence. Dr. Chen was a recipient of the 2016 Outstanding Electrical and Computer Engineers Award from his alma mater, Purdue University, after he graduated from the University of Michigan at Ann Arbor, Ann Arbor, MI, USA in 1985. He was the IEEE Systems, Man, and Cybernetics Society President from 2012 to 2013, and currently, he is the Editor-in-Chief of the IEEE Transactions on Systems, Man, and Cybernetics: Systems, and an Associate Editor of the IEEE Transactions on Fuzzy Systems, and IEEE Transactions on Cybernetics. He was the Chair of TC 9.1 Economic and Business Systems of International Federation of Automatic Control from 2015 to 2017 and currently is a Vice President of Chinese Association of Automation (CAA).



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Tai Chiu Edwin Cheng is Dean of the Faculty of Business, Fung Yiu King-Wing Hang Bank Professor in Business Administration, and Chair Professor of Management at The Hong Kong Polytechnic University. He works in the field of Systems and Cybernetics Sciences applying the field's methodologies to address business and management issues. His research contributions are in the areas of systems engineering, applied optimization, operations research, and scheduling science.

He has published over 750 papers in SCI/SSCI journals and co-authored 14 books. In 2015 the *International Journal of Production Research* rated him as the most prolific author in operations management research. He was also named one of the “most cited scientists” (top 1% in terms of citation count) in All Fields, Business and Economics, Computer Science, and Engineering by the *ISI Web of Science* in 2018.

Tai Chiu Edwin Cheng was awarded the Outstanding Young Engineer of the Year Award from the Institute of Industrial and Systems Engineers in 1992 and the Croucher Senior Research Fellowship Award from the Croucher Foundation in 2001. He was conferred the Education Leadership Award by the World Education Congress of CMO Asia in 2014. He was elected Fellow of Hong Kong Academy of Engineering Sciences in 2018.

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1959-1964 Techn. Univ. Vienna , Austria: Diplom-Ingenieur (Electrical Engineering)
1964 -1965 Univ. of Pennsylvania, USA: Master of Science (Computer Science)
1966-1991 IBM Laboratory Vienna: Research & Development : (Programming Languages, PL/I, Formal Definition of Programming Languages, Vienna Definition Language, Software Engineering Environments - ADPS, Compiler Construction)
1975 Technical University Vienna, Austria: PhD (Computer Science)
1980 Johannes Kepler University Linz (JKU), Austria: Habilitation (Computer Science)
1992 -2007 Professor for Systems Engineering und Automation at JKU: Software Engineering, Process Models and Environments, Systems Theory, Human and Cultural Aspects of Systems Engineering
since 1993 (annually) General Co-Chair of the IDIMT Conferences
1994 -2018 (biennially) General Co-Chair of the Fuschl/IFSR Conversation
since 2007 Professor emeritus of the Johannes Kepler University Linz

Gerhard Chroust is Professor Emeritus at the Johannes Kepler University of Linz, a Member of the International Academy for Systems and Cybernetic Sciences, a Board Member of the OCG (Austrian Computer Society), a Fellow of IFSR (International Federation for Systems Research), and an Honorary Member of the Bertalanffy Center for Study of Systems Sciences and of the ÖGI (Austrian Society of Informatics).

Chroust has conducted research in the field of software engineering, specifically concerning the representation and enactment of software process models and quality and improvement of development. He also has research interests in the fields of systems science, the systemic aspects of engineering and disaster management, human aspects of software development, and the history of computers and information technology.

Current Research Interests are: Cultural Human Aspects of System Development , Formal Methods, Definitions and Programming Languages, Systems Theory, Disaster Management, Relations between Human, Society and ICT, Architectural Alternatives in Systems Design.

Chroust has authored 11 books, approximately 65 edited proceedings, and over 500 other publications.

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Gerard de Zeeuw (PhD Philosophy, M.A. Mathematics, Statistics, Econometrics) is emeritus professor of research and mathematical modeling in the social sciences (in particular andragology) of the University of Amsterdam (Netherlands). He has served as (visiting or senior) professor in a number of universities in fields like management, agriculture, mathematics and architecture.

He is a founding member of the International Federation for Systems Research and of the Systeemgroep Nederland. De Zeeuw serves or has served on the Editorial Board or as Associate Editor or Editor of several journals including Systems Research and Behavioural Science, Systemica, Tijdschrift voor Sociale Interventie, and the Journal of Research Practice. He has been active as a conference organizer – among them the Problems of ... series.

De Zeeuw's life long project is developing methods for scientific research as well as for research to support individual action (including decision theory, cybernetics, operational research and teaching and learning theory). De Zeeuw has authored 12 books and more than 150 other publications and has earned a number of national awards.

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Professor Zengru Di received his Ph.D. on the Systems Science at Beijing Normal University in 1997. He is now the Dean of the School of systems Science, Beijing Normal University. He is the Leader of Discipline Appraisal Group on Systems Science of the Academic Degree Committee of the State Council, People's Republic of China (2009-present), Member of the Steering Committee for Professional Teaching of High Education (Management Science Engineering) of the Ministry of Education (2018- 2022), Member of the Academic Degree Committee of Beijing Normal University, Vice President of the Systems Engineering Society of China.

The **research interests** rely on the area of the Complex Systems, Complex Networks, Self-organization Theory and its application in socio-economic and biological systems. The problems are focused on the structure and function of complex networks, collective behavior of multi-agent systems, and the emergent properties of complex systems. He has extensively published in international refereed journals on the above areas, including Nature Communication, PNAS, PRL, J. R. Soc. Interface, and other top journals. Due to his distinguished contribution on the above scientific areas, He has got the Prize for the Theoretical Achievements on Systems Science and Systems Engineering, issued by the Systems Engineering Society of China. Professor Zengru Di is editor in chief or editor of several academic journal, including All About Systems and Control (in Chinese), Journal of Economic Behavior & Organization, Journal of Systems Science and Complexity, Journal of Systems Science and Information, Systems Engineering-Theory & Practice (in Chinese) and so on.



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Georgi Marko Dimirovski is retired Research Professor (Life-time) of Automation & Systems Engineering at St. Cyril and St. Methodius University of Skopje, Macedonia, Europe, and a foreign Guest Professor of Computer & Control Sciences at Dogus University of Istanbul, Turkey, as well as 'Pro Universitas' Professor of Obuda University in Budapest, Hungary, Europe, at the Doctoral School. He has been teaching to graduates on summer schools at universities in Dalian, Nanjing, Shanghai, and Shenyang, in China.

He was a Senior Research Fellow & Visiting Professor of the Free University of Brussels, Belgium and of Johannes Kepler University of Linz, Austria. He has paid longer- or shorter-term academic visits with seminars to universities in: Aalborg, Ankara, Belgrade, Bradford, Bochum, Brussels, Coimbra, Covilha, Duisburg, Grenoble, Hannover, Istanbul, Izmir, Linz, Lisbon, Ljubljana, London, Maribor, Nis, Ottawa, Carleton, Portsmouth, Sarajevo, Sevastopol, Sofia, Split, Valencia, Wien, Wolverhampton, and Zagreb as well as Beijing, Dalian, Nanjing, Shanghai and Shenyang, and Kaohsiung. He was contributor or editor for Springer International. With 17 monographs chapters, more than 100 journal articles as well as 350 papers in the IEEE and IFAC proceedings series, he received a number of international awards among which the 2009 IET Premium Award from the UK Institution of Engineering & Technology for the best article of the journal IET Control Theory & Applications in 2008, the 2011 Outstanding Service Award from the IFAC Organization during the 18th World Congress in Milano, Italy, the Outstanding Associate Editor 2011 of the International Journal of Automation & Computing, given by jointly the Board of the IJAC and Springer.

He served as the president of former Yugoslav Association for ETAN, Yugoslav NMO of the IFAC, as well as several terms as the president of the ETAI Society, Macedonian NMO of the IFAC. He and a group of collaborators have founded the ETAI Society. He served on the Executive Council of the European Science Foundation (ESF) and on the Technical Board of the International Federation of Automatic Control (IFAC). He has served as an associate editor for several international journals and many high-ranking international conferences, but now serves only the Journal of the Franklin Institute.

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Gérard Donnadieu is born on 12/03/1935 in Paris, France.

Engineer of ENSAM, Paris, engineer of IFP, Paris, Doctor in **physics**, during 13 years he worked first as Engineer and then as Executive Manager for British Petroleum France. Then he worked in systems research with the economist professor François Perroux at the *College de France, Paris*. After his post-doc in **economics** he joined the '*Entreprise et Personnel*' Institute as Consultant and Research Advisor. He worked 5 years as advisor for the *Economic and Social Council of the French Government*. Associate professor at the **Institute for Business Administration of Paris**¹ (IAE Panthéon-Sorbonne University), for 10 years he was in charge of the courses in human resources management and published a lot of books about management and sociology of organizations. After a family tragedy, he got a master and a Ph D in **theology** at the Catholic Institute of Paris.

As tenure track professor, '*Teilhard de Chardin*' chair at the **School Cathedral Faculty of Paris**, he was teaching the theology of the religions in a **systems thinking** manner. Founder of *the European Union for Systems Science* (UES-EUS), he was chair of many Academic Summer Schools and he published more than 140 papers, mainly in French, but also in English, Portuguese and Italian languages.

Currently he is retired but working benevolently as Vice-President of *the French Society for Systems Science* (AFSCET) and Honorary President of the Association of Friends of 'Pierre Teilhard de Chardin'.



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Jean-Pierre Dupuy is Professor Emeritus of Social and Political Philosophy, École Polytechnique, Paris and Professor of Political Science and of Science, Technology, and Society, Stanford University. He is a member of the French Academy of Technology, a spinoff of the Academy of Sciences, and of the Conseil Général des Mines, the French High Magistracy that oversees and regulates industry, energy and the environment. He chairs the Ethics Committee of the French High Authority on Nuclear Safety and Security. He is the Director of the Research Program of *Imitatio*, a San Francisco foundation devoted to the dissemination and discussion of René Girard's mimetic theory.

He is author of numerous major works, including, in English, *The Mechanization of the Mind* (Princeton University Press, 2000); *On the Origins of Cognitive Science* (The MIT Press, 2009); *The Mark of the Sacred* (Stanford University Press, 2013); *Economy and the Future. A Crisis of Faith* (Michigan State University Press, 2014); *A Short Treatise on the Metaphysics of Tsunamis* (Michigan State University Press, 2015); *Enlightened Doomsaying* (Michigan State University Press, to be published in 2020).

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Professor Raul Espejo is an international expert in organisational cybernetics. His most recent book "Organizational Systems: Managing Complexity with the Viable System Model" was published by Springer early in 2011 (co-authored with Alfonso Reyes) and is co-author of two other books and co-editor of three. He has published over a 100 articles in journals and books.

In the early 70s, during the Allende's government in Chile, he was Operational Director of the CYBERSYN project under the scientific direction of Stafford Beer. Since then until 2003, he worked at the Manchester Business School in the UK, the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria and the universities of Aston and Lincoln in the UK. In 1985 he created in the Science Park of Aston University Syncho Ltd, an enterprise in the field of organisational cybernetics. From there he has done research in collaboration with a wide range of institutions worldwide, mainly in organisational diagnosis and design, with a focus on social transformation, organisational learning and democratic processes. Currently he is President of the World Organization of Systems and Cybernetics <http://wosc.co> and Director of Syncho Ltd in the UK.

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Helder Coelho is a retired and emeritus full professor of the University of Lisbon (UL) in the Department of Informatics of the Faculty of Sciences, from August 1995. He is a permanent and elected member of the National Academy of Engineering (1999). ECCAI fellow (2002). He was Chair of the Executive Board of Iberamia from 1996-2010. Member of the Advisory Council of Iberamia (2010-). He was member of IFIP TEC12 (AI) and Chair of IFIP WG12.3 (Agents). Editor of the International Journal of Artificial Intelligence (Ceser Publications) and of the Progress in Artificial Intelligence (Springer). He was President of the Institute for Complexity Sciences from 2004-08. Conference Chair of ECAI-2010 in Lisbon, Program Chair of IBERAMIA-1998, and Program Co-Chair with Jaime Sichman of SBIA/IBERAMIA-2000 and 2006. He is currently member of the Advisory Board of EPIA/APPIA Congress, member of the Steering Committee of MASTA and the BWSS Workshops, and PC member of AAMAS Conference (2008-16).

He graduated in Electrical Engineering at the Lisbon Institute of Technology of the Technical University of Lisbon (UTL) in 1968, obtained a degree of Informatics Expert at LNEC in 1980, under the supervision of Luis Moniz Pereira, his Ph.D. in Artificial Intelligence (AI) at the University of Edinburgh in 1980, under the supervision of David H. Warren, and the doctoral equivalence in Informatics Engineering in 1981 from the New University of Lisbon (UNL). He also got the degree of Aggregation in Mathematics in 1988 from UTL.

His research career started at INETI (ex-LFEN), the National Laboratory for Nuclear Physics in 1968, and in 1973 he moved to the National Laboratory for Civil Engineering (LNEC). He was attached as a scientist to the National Laboratory for Civil Engineering (LNEC) for 16 years, where he co-founded the Portuguese AI in 1973. He was involved with the Logic Programming project and he became his leader in 1978. He studied Artificial Intelligence under the guidance of Luis Moniz Pereira, Bernard Meltzer, Robert Kowalski and Alain Colmerauer. He was coordinator of several PIDDAC projects at LNEC, namely "Information Technologies for Administrative Systems" and "Intelligent Buildings", two JNICT projects on intelligent buildings (one with INESC). He was active participant in SPRINT project RA41 "Expert Systems for Building Services".

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The **Argentine Group for the Study of Systems and Cybernetics** (GESI)
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active member of various international systemic societies:
the **International Society for the Systems Sciences** (ISSS) since 1958,
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the **International Society for Cybernetics** (ISC), the **American Society of Cybernetics** (ASC),
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the **Spanish Society of General Systems** (AESG).

Past member of editorial board of journals:

Systems Research and Behavioral Science (USA), **Systems Practice** (United Kingdom), **Sistémica** (Peru).

various **books and research & educative media, in French, English & Spanish**, (among these):

Phénoménologie. Cybernétique et Prospective. Association Internat. de Cybernétique, Namur, Belgium, 1976 ; Introducción a la Prospectiva. Pleamar, Buenos Aires, Argentina, 1978 ; GESI-AATGSC, Buenos Aires, 1985 ; Enfoques sistémicos en el Estudio de las Sociedades., Diccionario de Teoría General de Sistemas y Cibernética: Conceptos y términos. & El Uso de Modelos cibernéticos-sistémicos como Metodología Científica. Socialidad: naturaleza y desarrollo de la comunicación en las sociedades. GESI-AATGSC, Buenos Aires, 2008, Economía en términos sistémicos. GESI-AATGSC, Buenos Aires, 2009

International Encyclopedia of Systems & Cybernetics. K.G. Saur Verlag – München, Germany, 1997

International Encyclopedia of Systems & Cybernetics. -2 Vol.-, Saur-Thomson, München, Germany, 2004

Curso de Teoría General de Sistemas y Cibernética, con representaciones gráficas -CD rom-, GESI, 2007, 2008.

Author of virtual tutorials & bibliographic compilations, and of numerous papers in international journals on Systemics, Cybernetics, Complexity and related subjects, distinguished with the Bronze Medal of the American Society for Cybernetics in 2007.

Economic and Commercial Attaché of the Belgian Embassy in Argentina From 1966 to 1987.

Working in a sociological understanding of the most significant events of the 20th and 21th centuries,
and with the practical management of natural & man-made complex systems, in systemic & cybernetic terms.



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Glanville studied architecture at the Architectural Association from 1964 to 1971.

He completed a PhD in cybernetics at Brunel University in 1975, and obtained a second PhD in Human Learning from Brunel in 1988.

He worked briefly as an architect in UK and Finland.

He taught at **the Architectural Association** 1972-78, and **Portsmouth Polytechnic** 1978-1997.

He was Adjunct Professor at the The Royal Melbourne Institute of Technology 1998-2001.

Since 1997, living in Portsmouth, UK. as a freelance researcher he published scientific papers in the fields of architecture, cybernetics and psychology. He was a contributor to **conferences in Cybernetics & System Research around the world.**

Glanville is a Fellow of the Cybernetics Society.

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Past President of the American Society for Cybernetics (ASC) <http://www.asc-cybernetics.org>

Member of the editorial board of *Constructivist Foundations, Cybernetics and Human Knowing, Kybernetes, Systemica, Systems Research and Radical Designing.* <http://www.cybsoc.org/glanvillebio.htm>

Honours/Service The Cybernetics Society, Fellow; Systeemgroep Nederlands, Foreign Affairs Officer; Royal Society of Arts, Fellow; Elected to the Board of the International Institute for Advanced Study in Systems Research and Cybernetics, 1994; Elected to the Board of the International Federation for Systems Research, 1994; Portsmouth Arts in the Environment Committee, 1994.

Awards Science Research Council Studentship; Best paper, European Meeting on Cybernetics and Systems Research 1984, 1990; Best paper and best presentation awards, Orwellian Symposium in Karlovy Vary and International Institute for Advanced Study in Systems Research and Cybernetics conference in Baden-Baden, 1994; Distinguished Service Award and Special Scholarship Award, International Institute for Advanced Study in Systems Research and Cybernetics, 1994. Sundry research and travel grants and awards. Recent British Council travel and sponsored research exchange awards to Bialystok (three times), Vienna (twice), Helsinki and Tampere (four visits), and to Karlovy Vary and Baden-Baden, British Academy and Department of Trade and Industry awards for travel I(Sao Paolo).

Memberships Architectural Association (honorary life); Austrian Society for Cybernetics; The Cybernetics Society (committee); Design Research Society; The Folly Fellowship; International Association for Cybernetics; International Institute for Advanced Study in Systems Research and Cybernetics (board member); International Federation for Systems Research; Royal Society for the Arts; Systeemgroep Nederlands (committee); MELA Foundation, New York.

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Operations Research Professor, **Japan Advanced Institute of Science and Technology**

http://en.wikipedia.org/wiki/Japan_Advanced_Institute_of_Science_and_Technology for four years,

Part time Professor of Management, school of Graduate School, Chinese Academy of Sciences,

part time professor of Management, School of Dalian University of Technology.

honorary editor of the journal Systems Research and Behavioral Science

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ex-vice-President of **the International Society of Knowledge and Systems Sciences**,

ex-President of **Systems Engineering Society of China**, ex-President of **International Federation for Systems Research (IFSR)**

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More than 30 visits to many countries (UK, USA, Germany, Japan, Austria, Russia, Canada).

more than 200 papers and **more than 30 books**:

-1994 the Wuli-Shili-Renli (WSR) systemics approach of qualitative decision-making (with Zhu Zhichang)

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Human Relations in Chinese System Practice. With Gerald Midgley & David Campbell, -2000. A Study on System Science and

Engineering. With Guozhi Xu & Hongan Che. Shanghai Science & Technology Education Press., -2005. The New Roles of Systems

Sciences for a Knowledge-based Society, Kobe, Edited with Gerhard Chroust. Jaist Press, Komatsu, Japan. -2006. Towards knowledge

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Engaged in study on **Meta-synthesis system approach and expert mining**, he pays much attention to the applications of Operations Research and Systems Engineering in the fields in energy, water resource, regional development, global change, DSS, various evaluations in projects and organizations, recently mainly to social system and Tradition Chinese Medicine.



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Enrique HERRSCHER

Enrique Herrscher was an ***ad vitam* honorary Professor at the University of Buenos Aires** and a visiting professor at several other Argentine universities. He was also adjunct chair of the Special Integration Group for Systems Applications to Business and Industry at the International Society for the Systems Sciences (ISSS). Herrscher has authored 10 books and over 100 papers.

In 1966 Herrscher was the Argentine representative at the 9th World Accounting Congress in Paris, France. He was a founding member and former Vice President of the Latin American Association of Systemics. In 1986 Herrscher was appointed the Fulbright fellow-in-residence at California State University, in Sacramento, CA.

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Contador, Licenciado en Administración, Universidad de Buenos Aires, Dr. en Administración, Universidad Nacional de Misiones, Profesor Honorario ad vitam, Universidad de Buenos Aires (UBA), Profesor (MBA) de Planeamiento Empresarial en 7 universidades argentinas. Por 10 años Presidente de la Comisión de Planeamiento y Control del Consejo Profesional de Ciencias Económicas de Buenos Aires. 1966, Representante argentino en el 9o Congreso Mundial de Contabilidad, Paris, Francia, coordinando y redactando el paper internacional de Argentina. 1968 Fulbright scholar-in-residence en California State University Sacramento: Planning & Control, International Business & International Accounting. 1968 se asoció a la ISSS (reunión anual en Philadelphia), 1968-1981 Director Financiero (CFO), Director de Planeamiento y miembro del Directorio de Compañía Standard Electric Argentina, (ITT). 1994-2001 Decano de la Escuela Superior de Negocios de IDEA, Instituto para el Desarrollo Empresarial de la Argentina, invitando como docentes a: Jamshid Gharajedaghi, Magoroh Maruyama, John Morecroft y otros... 2004-2005 Presidente de ISSS, tras presidir desde 1991 su grupo "Business & Industrial Systems Applications" y asistiendo/presentando "papers" en 10 de sus reuniones anuales. Responsable de la gestión preparatoria del Programa Doctoral de la Facultad de Ciencias Economicas de la Universidad Nacional de la Patagonia San Juan Bosco. Miembro del Consejo Consultivo de GESI, la tradicional institución de sistemas y cibernética de Argentina, afiliada a IFSR.

Miembro fundador y ex Vice Presidente de ALAS, Asociación Latinoamericana de Sistémica,

Docente invitado en Export-Akademie Baden Württemberg (Reutlingen, Alemania), University of San Diego (USA), University of St. Gallen (Suiza) y diversas universidades Latinoamericanas. Miembro del Capítulo Argentino del Club de Roma, Miembro fundador del Instituto Argentino de Ejecutivos de Finanzas (IAEF), "Fellow" de la Society for the Advancement of Socio-Economics (SASE). 10 libros. Los últimos: Introducción a la Administración de Empresas – Guía para exploradores de la complejidad organizacional (2000), Pensamiento Sistémico – caminar el cambio o cambiar el camino (2003), El Círculo Virtuoso: Cambiar – Planificar – Aprender – Cambiar (2007), Planeamiento Sistémico – un enfoque estratégico en la turbulencia (2008), Administración: Aprender y Actuar – management sistémico para PyMEs (2009, con 11 coautores), El Valor Sistémico de las Organizaciones – variables, procesos y estructuras (2010). Aprox. 100 "papers" presentados en Congresos locales e internacionales, artículos en Systems Practice & Action Research, Systems Research & Behavioral Science, Human Systems Management IFSR Newsletter, Revue Française de Comptabilité, y en numerosas publicaciones argentinas.



HERRSCHER †
Enrique

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Retired Professor of Technology Assessment at the TU Wien (Vienna University of Technology). Currently Director of The Institute for a Global Sustainable Information Society (GSIS), Vienna.

PhD in Political Science and Psychology, University of Salzburg, in 1981. Research fellow at the Austrian Academy of Sciences. Assistant Professor in 1991, after habilitation in Technology Assessment (Univ.Doiz.), Associate Professor, TU Wien, 2001 - 2018. University Professor for Internet and Society, University of Salzburg, 2004 - 2010. Visiting professorships in Brasil and Spain.

Research in Self-organisation – Information – Information Society, that is, complexity thinking, science of information, and information and communication technologies (ICTs) and society. Elaborations of Praxio-Onto-Epistemology, Ways of Thinking (reductionism, projectionism, disjunctionism, and integrationism), Evolutionary Systems Theory, Unified Theory of Information, including the Multi-Stage Model of information generating systems and the Triple-C Model of information processes (cognition – communication – co-operation), and Critical Social Systems Theory, including a Critical Information Society Theory with the vision of a Global Sustainable Information Society.

More than 200 publications.

Founding editor of the journals *triple-c*; *systema*.

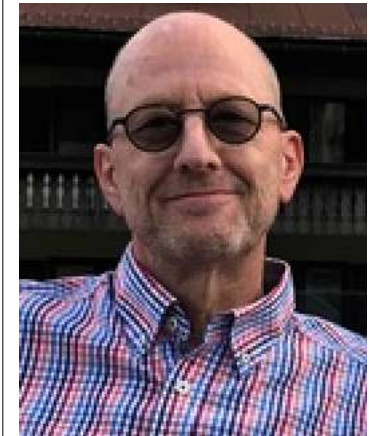
Founding President of the *Unified Theory of Information Research Group* (2003), now *The Institute for a Global Sustainable Information Society*; of the *Bertalanffy Center for the Study of Systems Science* (2004); of the *International Society for the Study of Information* (2011).

Member, *Leibniz-Sozietät der Wissenschaften zu Berlin e.V.*; Distinguished Researcher, *International Center for Philosophy of Information*, Xi'an.

Personal website: <http://www.hofkirchner.uti.at/>

Wikipedia (German): https://de.wikipedia.org/wiki/Wolfgang_Hofkirchner

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Qualifications BSc (Agric) (Hons), University of Sydney, Australia, 1975, PhD, University of Queensland, Australia, 1982.
Academic Posts 1983 -93: Lecturer, Senior Lecturer, Grassland Systems, Faculty of Agriculture, University of Sydney and Western Sydney University (Hawkesbury), 1994 +: Professor of Systems, The Open University UK, Milton Keynes, U.K. (0.5 time – from September 1st 2008), 2008 – 15: Professor, Systems for Sustainability, Monash Sustainability Institute Melbourne, Australia and leader/founder of Systemic Governance Research Program (0.5 time)

Awards Wesley College, University of Sydney, Foundation medal, 2016

Special Appointments - examples

- [?] 2015 +: Vice President, International Federation for Systems Research
- [?] 2008 +: Trustee, American Society of Cybernetics (ASC); 2016+ Chair of Trustees.
- [?] 2014-2015: President of the International Society for the Systems Sciences (ISSS)
- [?] 2011 +: Director, World Organisation of Systems and Cybernetics (WOSC).
- [?] 2011 (October): Member of Australian Water Culture Delegation to China through the project Linking Australia and China: a "Bridge of Water Culture" hosted by: Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences (IGSNRR); China Three Gorges Corporation (CTGPC); Shaanxi Normal University.
- [?] 2000-2005 Board Member, The Natural Step (UK) Ltd
- [?] 2004-2008 External Examiner, MA Responsibility & Business Practice, University of Bath.

Research achievements Internationally recognised in Systems scholarship that draws on second-order cybernetics and the biology of cognition and for developing and pioneering the use of Mode-2 modalities of research practice e.g. systemic inquiry. My research is relevant to how we act in a climate change world e.g. *'Systems Practice: How to Act in a Climate-Change World' (Springer 2010)*. Through my research, teaching and consultancy I have made significant contributions in the areas of systemic governance, systems practice and social learning, systemic environmental decision making, 'knowledge transfer', design of learning/inquiring systems and agricultural/food systems. My research and scholarship has found practical application in diverse fields including water management, organisational change, staff induction, Higher Education reform and rural development. My recent work with colleagues elucidates through empirical, theoretical and systemic-design research how social learning could be employed as an alternative governance mechanism for managing in complex, or 'wicked' situations, particularly water catchments and other multiple stakeholder settings such as climate change adaptation. I pioneered metaphor research in the field on natural resources management beginning in the early 1990s. As Professor and sometimes Head of the Open University Systems Department 1995-2005 I led action research processes of organisational change within the Department and University. I was foundation Director of the Postgraduate Programme in Environmental Decision.

I am the author, co-author or editor of six books, 9 journal special editions, 37 book chapters, 137 refereed papers (see <http://oro.open.ac.uk/view/person/rli2.html>) and have been invited as keynote speaker in international and national conferences in Australia, Brazil, Canada, China, Ecuador, France, Germany, Ireland, New Zealand, Sweden, South Africa, Tanzania, USA & the Netherlands. I am regularly invited to run workshops in diverse countries.



**ISON
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Michael C. Jackson, born 1951, is Professor of Management Systems and former Dean of Hull University Business School. After studying Politics, Philosophy and Economics at Oxford University, he spent 4 years in the civil service before returning to academic life. He has since studied and taught at Lancaster, Warwick, Lincoln and Hull Universities, being appointed a full professor in 1989.

Professor Jackson is a past President of the UK Systems Society, the International Federation for Systems Research and the International Society for the Systems Sciences. He has also served on the Council of the Operational Research Society. He is a Fellow of the British Computer Society, the Chartered Management Institute, The Cybernetic Society and the Operational Research Society.

He is a Visiting Professor at the Indian Institute of Technology (New Delhi) and an Honorary Professor at the Universidad Ricardo Palma, Lima, Peru.



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He graduated from Norwood-Norfolk Central High School in 1962 as valedictorian. He received the degree of B.S. in Mathematics from MIT in 1966 and a PhD in Mathematics from Princeton University in 1972. He is a Professor of Mathematics at the University of Illinois at Chicago.

Kauffman's research is in algebraic topology and particularly in low dimensional topology, the mathematics of form, diagrammatic formal systems and cybernetics. He is particularly interested in the structure of formal diagrammatic systems such as the system of knot diagrams as an approach to foundations. His research in knot theory has opened up a new field of knot theory and has resulted in the discovery of many new invariants of knots and links and relationships with theoretical physics and molecular biology. His work on form and formal systems has led to new points of view in cybernetics, particularly in regard to reflexivity and eigenform and distinction.

Kauffman is the author of four books on knot theory (Princeton University Press and World Scientific Press), a book on map coloring and the reformulation of mathematical problems, *Map Reformulation* (Princeton Editions; London and Zurich (1986)) and is the editor of the World-Scientific 'Book Series On Knots and Everything'. He is the Editor in Chief and founding editor of the *Journal of Knot Theory and Its Ramifications*. He is the co-editor of the review volume (with R. Baadhio) *Quantum Topology* and editor of the review volume *Knots and Applications*, both published by World Scientific Press. Kauffman is the recipient of a 1993 University Scholar Award by the University of Illinois at Chicago and he is the recipient of the 1993 Warren McCulloch Memorial Award of the American Society for Cybernetics for significant contributions to the field of Cybernetics, the 1996 award of the Alternative Natural Philosophy Association for his contribution to the understanding of discrete physics and the 2014 Norbert Wiener Gold Medal of the American Society for Cybernetics. He was president of the American Society for Cybernetics from 2005 to 2008. He was a Polya Lecturer for the Mathematical Society of America from 2008 to 2010. He was made a Fellow of the American Mathematical Society in 2012.

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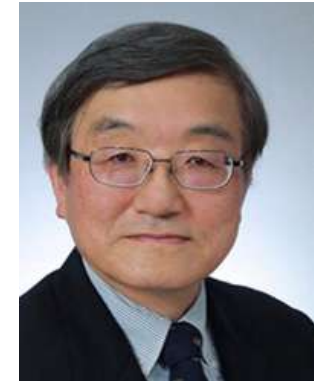
Kyoichi J. KIJIMA

Kyoichi Jim Kijima is a Japanese [systems scientist](#) and professor of Decision Systems Science at the [Tokyo Institute of Technology](#).

Kijima's research interests are in systems-science-based approach to decision making and information. He has proposed a new paradigm called "poly-agent systems," which tries to deal with the complexity involved in decision-making situations with plural and autonomous decision makers. He is also interested in integrating hard and soft systems approaches to decision-making and management.

Kijima has authored some books and has published more than fifty papers in international journals. In 2006 he received a grant from the Japanese government on agent-based modelling and systems research.

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Helena Knyazeva is a professor at the Russian National Research University Higher School of Economics. She sits on the Advisory Committee of the Institute of the Global Sustainable Information Society, the Association of Complex Thinking, the German Society of Complex Systems and Nonlinear Dynamics and the Russian Philosophical Society. Knyazeva is also an editor for *Ludus complexus: Revista Multiversitaria de complejidad*, *Praxema: Journal of Visual Semiotics*, *Complex Systems: An Interdisciplinary Scientific Journal*, and *Exploring Unity through Diversity*. Knyazeva's fields of expertise include philosophy of complexity, systems theory, synergetics, cognitive complexity, theory of innovations, and futures studies. Knyazeva has authored about 450 publications, including 10 monographs and 25 peer-reviewed journal articles. Knyazeva has been appointed to the Academic Council of the Multiversidad Mundo Real Edgar Morin and as a council member for the Darwin Project.

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Klaus Krippendorff is the Gregory Bateson professor for Cybernetics, Language, and Culture at the Annenberg School for Communication of the University of Pennsylvania. He also sits on the boards for the Business Systems Laboratory, the World Complexity Science Academy, and the International Board of Economics & Business Knowledge. He has earned several advanced degrees in design and communication, including an Honorary Doctor of Philosophy from the Linnaeus University in Kalmar, Sweden.

Klaus Krippendorff's research interests include social constructivist epistemology and second-order cybernetics, scientific discourse and its artifacts, mathematical foundations of cybernetics, systems theory, communication and information theories, structural models of qualitative data, and cyberspace, social science methodology, reliability analysis, conversational and discursive approaches to the construction of reality, emancipatory theory and critical scholarship, and human-centered design principles for the information age.

He introduced Krippendorff's alpha, a statistical measure for evaluating the reliability of data in view of their potential to support valid conclusions. He quantified cyberspace and, following Ross Ashby, established terrestrial limits of computation. He showed how metaphors can advance but also seriously entrap their users understanding, especially in complex systems. He takes conversation as the most efficient evolutionary process ever observed and is concerned with a recursive ethics that relates the human impulse to interactively design worlds (discourses, social structures, and technologies) to the viability of diverse communities living in them.

https://en.wikipedia.org/wiki/Klaus_Krippendorff



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Professor Lai received his PhD at Michigan State University, USA. He is currently the Honorary Professor at the Department of Industrial and Manufacturing Systems Engineering, University of Hong Kong, Hong Kong. Prior to his post, he was the Chair Professor of Management Science at the City University of Hong Kong. Before his academic appointment, he was a Senior Operational Research Analyst for Cathay Pacific Airways and an Area Manager on Marketing Information Systems for Union Carbide Eastern. Professor Lai's main areas of research interests are operations and supply chain management, financial and business risk analysis and modeling using computational intelligence. He is the editor-in-chief of the International Journal of Logistics and SCM Systems and International Journal of Operations Research. He is the Founding Chairman of the Hong Kong Operational Research Society of Hong Kong and currently the President of the Asia Association on Risk and Crises Management. In 2009, Professor Lai was the recipient of the Joon S. Moon Distinguished International Alumni Award of the Michigan State University and also appointed as the Chang Jiang Scholar Chair Professor by the Ministry of Education, China. In 2013, he has been selected as Fellow of the Asia Pacific Association of Industrial Engineering and Management Systems. In 2014, he was the recipient of the Civil and Environmental Engineering Distinguished Alumni Award, Michigan State University, USA. In 2017.



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Ervin Laszlo is a systems theorist and author.

Laszlo was among the first system's philosophers, being known for the theories of "General Evolution" and "The Macroshift." He also founded **the Club of Budapest**.

Laslo has authored more than 400 articles and 75 books, and is the editor of *World Futures: The Journal of General Evolution*.

Laszlo has been nominated twice for the Nobel Peace Prize, in 2004 and 2005, and he received the Goi Peace prize in 2001.

https://en.wikipedia.org/wiki/Ervin_László



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Vladimir Lefebvre is a mathematical psychologist and researcher in the School of Social Sciences at the University of California at Irvine.

In 1965 Lefebvre created the theory of reflexive control, a mathematical approach to social psychology. He has also created equations to predict the large-scale consequences of individual actions.

Lefebvre has been awarded the Descartes Medal in Cognitive Studies in 2006 and Doctor Honoris Causa and the Golden Medal from the International Informatization Academy at the United Nations Moldova Branch in 2000.

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Loet Leydesdorff (Ph.D. Sociology, M.A. Philosophy, and M.Sc. Biochemistry) is Professor emeritus at the Amsterdam School of Communications Research (ASCoR) of the University of Amsterdam. He was Associate Faculty at the Science and Technology Policy Research Unit (SPRU) of the University of Sussex, Visiting Professor of the Institute of Scientific and Technical Information of China (ISTIC) in Beijing, Guest Professor at Zhejiang University in Hangzhou, and Visiting Fellow at the School of Management, Birkbeck, University of London (UK).

Leydesdorff has published extensively in systems theory, social network analysis, scientometrics, and the sociology of innovation (see at <http://www.leydesdorff.net/list.htm> or <http://scholar.google.com/citations?user=yeh9gNYAAAAJ&hl=en>). With Henry Etzkowitz, he initiated a series of workshops, conferences, and special issues about the Triple Helix of University-Industry-Government Relations.

Leydesdorff received the Derek de Solla Price Award for Scientometrics and Informetrics in 2003 and held “The City of Lausanne” Honor Chair at the School of Economics, Université de Lausanne (Suisse), in 2005. In 2007, he was Vice-President of the 8th International Conference on *Computing Anticipatory Systems* (CASYS’07, Liège, Belgique).

Since 2014, the Institute of Scientific Information (ISI/Clarivate) lists him as a highly-cited author at <https://clarivate.com/hcr/>



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Michael Lissack is the current President of the American Society for Cybernetics (ASC <http://asc-cybernetics.org>). For 20 years Dr. Lissack was the executive director of **the Institute for the Study of Coherence and Emergence** (ISCE). He presently is a **Professor of Design and Innovation at Tongji University (Shanghai)** and was the first Walter J. Hickel Professor at Alaska Pacific University. Dr. Lissack founded both a non-profit research institute and a charity for artists, launched an international PhD program in corporate anthropology, has written half dozen books, been a successful Wall Street banker, and a candidate for public office. He has taught at a number of academic institutions in the US and Europe, run sixteen international conferences on the topics of **explanation, complexity, management, health care, entanglement and ethics** and founded a successful academic journal (E:CO). Worth Magazine recognized Dr. Lissack as one of "Wall Street's 25 Smartest Players" in 1999 and as **one of the 100 Americans who have most influenced "how we think about money"** in 2001.

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LISSACK
Michael

Humberto Maturana is a [Chilean biologist](#). Many consider him a member of a group of [second-order cybernetics](#) theoreticians such as [Heinz von Foerster](#), [Gordon Pask](#), [Herbert Brün](#) and [Ernst von Glasersfeld](#). He is a professor of neuroscience at the University of Chile.

Maturana's research interest concerns concepts like cognition, autopoiesis, languaging, zero time cybernetics and structural determined systems. Maturana, along with [Francisco Varela](#) and Ricardo B. Uribe, is particularly known for creating the term "[autopoiesis](#)" about the self-generating, self-maintaining structure in [living systems](#), and concepts such as structural determinism and structure coupling. His work has been influential in many fields, mainly the field of systems thinking and cybernetics. Overall, his work is concerned with the biology of cognition

Maturana has authored several books and papers.

He was awarded the Norbert Wiener Memorial **Gold Medal** of WOSC in 2014.

https://en.wikipedia.org/wiki/Humberto_Maturana



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Gerald Midgley is Professor of Systems Thinking in the Centre for Systems Studies, based in the Faculty of Business, Law and Politics at the University of Hull, UK. He also holds Adjunct Professorships at Linneaus University, Sweden; the University of Queensland, Australia; the University of Canterbury, New Zealand; Mälardalen University, Sweden; and Victoria University of Wellington, New Zealand.

Gerald has held research leadership roles in both academia and government. He has spent ten years as Director of the Centre for Systems Studies at the University of Hull, and has also been the Graduate Research Director and the Associate Dean for Research and Enterprise in the Hull University Business School. Additionally, he spent seven years as a Senior Science Leader in the Institute for Environmental Science and Research (ESR), a Crown Research Institute in New Zealand.

Gerald has written over 300 papers for academics and practitioners on systems thinking, community operational research and conflict management, and has been involved in a wide variety of public sector, community development, technology foresight and resource management projects.

He was the 2013/14 President of the International Society for the Systems Sciences, and has written or edited 11 books. These include *Systemic Intervention: Philosophy, Methodology, and Practice* (Kluwer, 2000); *Systems Thinking, Volumes I-IV* (Sage, 2003); *Community Operational Research: OR and Systems Thinking for Community Development* (Kluwer, 2004); and *Forensic DNA Evidence on Trial: Science and Uncertainty in the Courtroom* (Emergent, 2011).

Gerald is the Deputy Editor for *Systemic Practice and Action Research*; is on the advisory boards of 16 international peer-reviewed journals; and is also the editor of a new Systems Thinking book series for Routledge.



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Roberto MORENO-DIAZ
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Prof. Moreno is active in the fields of bio-cybernetics and computational neuroscience mainly, including formal neural nets, brain dynamics, reticular processes, visual processing and knowledge representation. He is the founder of the Instituto Universitario de Ciencias y Tecnologías Cibernéticas at the University of Las Palmas, Spain, a platform for the scientific exchange. His influence has affected many researchers, practitioners and students. Prof. Moreno's scientific work started at MIT, where he was a research associate of the eminent neuro-cybernetician Warren McCulloch, one of the head-figures of cybernetics (Pitts-McCulloch neuron, redundancy of potential command, heterarchy of values). Later he cooperated with many outstanding members of the cybernetics community, with emphasis on mathematics, physics and biology, e.g. Caianiello, Ricciardi. He has been invited by various Spanish, European and American Universities. His teachings abroad cover more than 30 international Universities. At Obuda University, he is a honorary professor.

Moreno-Díaz is author or coauthor of about 135 research papers on neurocybernetics, retinal theory and natural and artificial vision. He supervised 22 PhD Theses on these topics and multimedia, presented in the Faculties of Mathematics, Physics and Informatics and in the ETS de Industrial Engineers and Telecommunication of Zaragoza, Madrid Politecnics, La Laguna and of Las Palmas de Gran Canaria; 21 of his these doctors are Full or Associate Professors in various Universities. He organized 18 International Congresses on Informatics, Computer Aided Systems Theory and Neurocybernetics. He is coeditor of 32 volumes on these subjects published by Alianza Editorial, Springer-Verlag, Hemisphere and The MIT Press. Since 1981 he is Correspondant of the Royal Academy de Ciencias Exactas, Físicas y Naturales of Spain and the Founder and ex-vicepresident of the Academia Canaria de Ciencias.

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Edgar MORIN

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Edgar Morin (Edgar Nahoum) is a French philosopher and sociologist who has been internationally recognized for his work on complexity and "complex thought," and his scholarly contributions to such diverse fields as media studies, politics, sociology, visual anthropology, ecology, education, systems biology, and beyond. He holds degrees in history, economics, and law.

Though less well known in the United States due to the limited availability of English translations of his over 60 books, Morin is renowned in the French speaking world, Europe, and Latin America.

Edgar Morin has authored more 50 books that were translated in 28 languages and 40 countries.

https://en.wikipedia.org/wiki/Edgar_Morin



MORIN
Edgar

Matjaz MULEJ, 1941, with his Doctorates in Economics/Systems Theory and in Innovation Management, used to work at the University of Maribor, where he still works with doctoral students. He works also in other Slovene higher education institutions. He retired in 2001 as Professor Emeritus of Systems and Innovation Theory. For the recent 15 years he has applied systems theory also to social responsibility as personal and organizational attributes – ethics of responsibility, interdependence and requisite holism. He published close to 2.500 publications in over 40 countries (see: IZUM/Cobiss/Bibliographies, 08082). He was visiting professor at foreign universities for 15 semesters, mostly in US, including Cornell (as Fulbright scholar), also in Austria, China, Germany, Mexico, and gave talks in about 50 further universities around the world. He consulted to organizations in 6 countries about 500 times. He is author of the Dialectical Systems Theory (see: François, 2004, International Encyclopedia) as methodology of systemic/cybernetic behavior, Innovative Business Paradigm and Methods for transitional countries and enterprises; many millions \$ of innovation results value are reported. He is a member of the European Academy of Sciences and Arts, Salzburg (2004), European Academy of Sciences and Humanities, Paris (2004), International Academy for Systems and Cybernetic Sciences, Vienna, now in France (2010; establishing former head, now honorary establishing president). He was president of IFSR, president of the Slovene Systems Research Society (1991-1919), head of the research unit of IRDO Institute for Development of Social Responsibility since 1915. Under his impact University of Maribor became 'Sustainable and Socially Responsible University of Maribor' with an action program for 2014-2020. He was granted all available official awards for his work on non-technological innovations in Yugoslavia, Slovenia, Maribor and University of Maribor. In 2013-2016 he published and co-edited 9 books, 3 collections of articles (in Systems Research and Behavioral Science, Kybernetes, Systems Practice and Action Research) with more than 100 authors from 30 countries, and 4 (out of 14, yearly since 2006) conference proceedings, all about systemic behavior via social responsibility. His recent awards include HORUS platina award for 60 years of volunteering as a practice of social responsibility. In 2018 he coedited 6 books concerned with social responsibility, including 'Introduction into the political economy of the socially responsible society' (in Slovene), which is the first on this topic globally (three prints in one year). In 2019 WOSC awarded him with Norbert Wiener Gold Medal.

He is married, has two children, four grandchildren, and one grand-grandchild. He plays tennis daily (twice he was champion of Yugoslavia).

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https://en.wikipedia.org/wiki/Matjaz_Mulej



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Karl H. Müller is the Director of the Steinbeis Transfer Centre New Cybernetics and senior researcher at the Faculty of Social Sciences of the University of Ljubljana. His main research interests range from issues in complex systems and complex modelling within the social sciences and from interdisciplinary analyses of innovation and risk processes in science, technology and society to the history and the current potential of inter- and transdisciplinary research as well as to the frontiers of second order cybernetics, second-order systems science and radical constructivism. He is particularly known for his 2005 work with J. Rogers Hollingsworth on "Advancing Socio-Economics: An Institutional Perspective"

His recent publications reflect these various interests, namely, (with Lučka Kajfež-Bogataj, Ivan Svetlik, Niko Toš (eds.)), Modern RISC-Societies: Towards a New Paradigm of Societal Evolution (Wien:edition echoraum, 2010), (together with Niko Toš), Towards a New Kind of Social Science. Social Research in the Context of Science II and RISC-Societies (Wien:edition echoraum, 2012), (with Alexander Riegler (eds.)), Second-Order Science (Special Issue of Constructivist Foundations, 1/10, 2014), (with Brina Malnar), Surveys and Reflexivity. A Second-Order Study of the European Social Survey (ESS) (Wien:edition echoraum, 2015), New Cybernetics. The Revolution of Scientific Structures (Wien:edition echoraum, 2016), and Post-disciplinary Cybernetics. The Science of Reflecting on Reflections (Wien:edition echoraum, to be published).
https://en.wikipedia.org/wiki/Karl_H._Müller



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Yoshiteru Nakamori is a Professor Emeritus of Japan Advanced Institute of Science and Technology. From April 2002 to March 2008, he served as the dean of the School of Knowledge Science at Japan Advanced Institute of Science and Technology.

Yoshiteru Nakamori is a past president of the International Society for Knowledge and Systems Sciences. His research interest includes the theory of knowledge creation systems, which integrates approaches in systems science, affective engineering, and knowledge management.



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Prof. Nakicenovic holds bachelors and masters degrees in economics and computer science from Princeton University, New Jersey, USA and the University of Vienna, where he also completed his Ph.D. He also holds Honoris Causa PhD degree in engineering from the Russian Academy of Sciences.

He is currently Deputy Director General and Deputy CEO of the International Institute for Applied Systems Analysis (IIASA). Until 2014, he was also Professor of Energy Economics at Vienna University of Technology, Austria, Europe.

He is a Member of the United Nations Secretary General Special Advisory 10-Member Group to support the Technology Facilitation Mechanism, Executive Director of The World in 2050 (TWI2050), Member of the Scientific Advisory Board of the *Potsdam Institute for Climate Impact Research* (PIK), Member of the Scientific Advisory Board of the *Fondazione Eni Enrico Mattei* (FEEM), Member of the Panel on Socio-economic Scenarios for Climate Change Impact and Response Assessments, Steering Committee Member of the Renewable Energy Policy Network for the 21st Century (REN21) and Member of OMV Advisory Group on Sustainability.

He is Editorial Board Member of the following journals: *Technological Forecasting and Social Change*; *Climate Policy*, *Institution of Civil Engineers*; *Current Opinion in Environmental Sustainability*; *Energy, Ecology and Environment*; *Energy Sector Management*; *Ecosystem Health and Sustainability*; *Environmental Innovation and Societal Transitions*; and the *Energy Strategy Reviews*.



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Constantin Virgil Negoita is Professor Emeritus at Hunter College in the Department of Computer Science. He has also been an editorial board member for several journals including *Economic Computation and Economic Cybernetics Studies* and *Research and Int. J. Advanced Intelligence Paradigms*.

Negoita's main research interests are fuzzy sets and systems. He was editor and founder first fuzzy sets and systems journal, *Fuzzy Sets and Systems*, with L.A. Zadeh and H.J. Zimmermann as well as author of the first textbook on fuzzy sets and systems, with D. Ralescu.

Negoita was honored as an Appointed Fellow with the International Fuzzy System Association in 2015. He was presented with a Doctor Honoris Causa from the University of Pitesti in 2000. He has also won the IEEE Award for New Technical Concepts in 1985.



NEGOITA
Constantin Virgil

Francisco Parra-Luna is an academician who has been president of and/or founded many systems theory organizations such as **the Association Internationale des Sociologues de Langue Française**, **the Sociedad Española de Sistemas Generales**, and **the Instituto Univesitario de Recursos Humanos**. He is also a member of the editorial board of the journal Systems Research and Behavioral Science. Parra-Luna is the founder and was the first president of the Sociocybernetics and Social Systems Theory group in **the International Sociological Association**. Parra-Luna has authored 19 books and more than 50 articles. Parra-Luna has won several prizes and distinctions including first prize from the Fundación Rumasa in 1979, second prize from the Institute de Estudios Laborales in 1979, the Prize del Centro de Investigaciones Sociológicas in 1982, the national prize on "Marketing político" in 1983, and the national prize for "Martin Artajo" on Employment Politics in 1987. He also had a square in the town Villanueva de los Infantes, Spain dedicated to him in 2005. "Lately he has directed the publication of a trilogy of books (2005,2009,2015), dedicated to discovering the "Place of the La Mancha" in the Quixotte, using systemic approaches and where some twenty colleagues from different universities participated. He is the president of the International Center "Place of La Mancha" of Studies of the Quixotte (CILMEQ) dedicated to the study of his value systems. Currently, he is applying the "systemic-axiological" approach to the problem of secessionism in Catalonia as a possible solution.

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PARRA-LUNA
Francisco

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José Pérez Ríos is a Professor of Business Organization at the University of Valladolid, Spain. His research is focused on the application of system dynamics and management cybernetics to the study of complex systems and to the development of software tools that can facilitate the application of different systemic approaches as well as knowledge capture, communications, and information exchange. He has been the Technical Director of the HORIZONTE-2000 project, and Founder and Director of the IBERFORA Project (sponsored by the BSCH) at the University of Valladolid (1998). This project was the precursor of the Universia network. He has also been responsible for the creation of the internet-based tool named “Navegador Colón” for the Spanish Foreign Ministry and of the VSMoD® software (to facilitate the application of the Organizational Cybernetics and the Viable System Model). He has also been Director of Area of International Relations at the University of Valladolid (2000-2006).

He worked in multiple national and international research projects and has more than 80 publications in national and international journals and congresses, and five books, including “*Diseño y diagnóstico de organizaciones viables*” (Iberfora2000, 2008) and “*Design and Diagnosis for Sustainable Organizations. The Viable System Method*” (Springer, 2012) and also as co-editor “*Las universidades Iberoamericanas en la sociedad del conocimiento*” (Universidad de Valladolid, 2000) and “*Managing Complexity. Challenges for Industrial Engineering and Operations Management*” (Springer 2014). Honorary distinctions: “The Kybernetes Research Award” (2006) awarded by the World Organization of Systems and Cybernetics (WOSC), “Outstanding reviewer” for the journal *Kybernetes* and the “Honorary HSSS Award as Distinguished Scientist” (2007) by the Hellenic Society for Systemic Studies (HSSS). He is also a Fellow of the HSSS and a member of the Board of Directors of the WOSC (World Organisation of Systems and Cybernetics).



PEREZ RIOS

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Franz PICHLER
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Franz Pichler learnt the profession of Telecommunication Technician at the School of Communication Technology, Graz, Austria (1950-1954). Thereafter, until 1964, he worked for the Austrian Post Office, as a Telecommunication Technician. External student, at the Realgymnasium Salzburg, he studied mathematics and physics at the University of Innsbrück. His PhD was about the theory of the Walsh-Fourier transformation. Then, research assistant at the chair of Mathematical Economics, he moved to the Graduate School for Social and Economic Sciences in Linz (later Johannes Kepler University), Chair for Applied Mathematics under Prof. Hans Knapp.

Guest scholarships at the University of Maryland, College Park, USA, and the National Physical Laboratory in England. In 1972 he got his habilitation in the field of Applied Mathematics and Mathematical Systems Theory. Already in the next year, 1973, he was appointed full professor for Systems Theory at the Johannes Kepler University, Linz, Austria. In 1975/6 and 1982/83 Pichler was invited as a guest professor to the State University of New York at Binghamton and 1992/93 to the University of Las Palmas, Spain. In the context of his professorship, the foci of his research were on Walsh functions, Mathematical Systems Theory and Cryptography.

Since his retirement in 2004, Pichler is continuing his research, mainly in Systems Theory and the History of Information Technology. This includes the editorship of the book series "Schriftenreihe für Geschichte der Naturwissenschaften und Technik" (series in history of science and technology).



PISCHLER
Franz

Larry Richards is Professor Emeritus of Management and Informatics at Indiana University East, one of the eight campuses of Indiana University. He retired in 2016 and continues to present and write on topics related to cybernetics. He gave a presentation on “Acting Cybernetically?” for the 2019 annual conference of the American Society for Cybernetics in Vancouver, British Columbia (Canada), the theme for which was “Acting Cybernetically”, without the question mark. Along with Jude Lombardi, he helps to organize and conduct weekend conversations on cybernetics and society. He also facilitates workshops/tutorials on cybernetics for those interested. He will do this at no cost for anyone willing to host such events and invite participants.

Recent publications include a chapter on “Cybernetics and Society Redux: The Necessity of Design” in T. Fischer and C.M. Herr (Eds.), **Design Cybernetics: Navigating the New**, Springer Nature, 2019. Richards also has a chapter on “New Directions in Second-Order Cybernetics” in A. Riegler, K. Müller, and S. Umpleby (Eds.), **New Horizons for Second-Order Cybernetics**, World Scientific Publishing, 2017. Also in the same book: “The Many Varieties of Experimentation in Second-Order Cybernetics: Art, Science, Craft”. Two journal articles commenting on connections between interdisciplinary studies and cybernetics include: “Three Questions on the Relation between Theatre Studies and Cybernetics”, **Constructivist Foundations**, 12(3), 2017, and “Three Questions on the Relation between Religious Studies and Cybernetics”, **Constructivist Foundations**, 15(1), 2019. Two commentaries on higher education, “Personalized Education: What’s the Holdup?”, **Constructivist Foundations**, 12(1), 2016, and “Changing the Educational System: The Bigger Picture”, **Constructivist Foundations**, 13(3), 2018, challenge current approaches to institutionalized education. In the design realm, he wrote a commentary in the design journal **She Ji**, 5(4), 2019, “Understanding, Design, Models, Dialogue: The Orienting Role of Language”, and co-authored a previous paper with Tom Fischer in the journal **Leonardo**, 50(1), 2017, “From Goal-Oriented to Constraint-Oriented Design: The Cybernetic Intersection of Design Theory and Systems Theory”.

Richards served as the President of the American Society for Cybernetics (1986-88), which awarded him its Norbert Wiener Medal in 2007, and the American Society for Engineering Management (1998-99), into which he was elected a Fellow in 2002. Before retiring, he served as Executive Vice Chancellor for Academic Affairs (2004-15) and Interim Chancellor (2012-13) at IU East, and Interim Vice Chancellor and Dean (2015-16) at Indiana University – Purdue University Columbus (IUPUC). His ongoing research interests include: participative decision-making, policy support systems, social transformation and design, and the role of time in conversation and everyday life.

https://en.wikipedia.org/wiki/Larry_Richards



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IASCYS
Academician
2010-2020

Markus Schwaninger is a professor emeritus at the University of St. Gallen, Switzerland. He is also a member of the board of WOSC-World Organization of Systems and Cybernetics and a fellow of the Bertalanffy Center for the Study of Systems Sciences.

Connecting issues of ecological, socio-cultural and economic sustainability are his special concern. His research focus is on complex dynamic systems, with topics such as organizational design, transformation and learning, model-based management, and systemic issues of sustainability. His methodological emphasis is on System Dynamics and Organizational Cybernetics. Markus also has a vast record of transdisciplinary, international research projects, and of consulting as well as teaching mandates around the world.

He is founder of the System Dynamics Group at the University of St. Gallen and a long-standing managing editor of the System Dynamics Review. In his career, Markus has supervised close to 100 PhD dissertations.

He is an author or editor of roughly 250 scientific publications, in six languages, among them “Intelligent Organizations. Powerful Models for Systemic Management” (Berlin: Springer, 2009) and “Systemic Design for Sustainability”, 2018 (Sustainability Science, Volume 13(5): 1225-1234 <https://doi.org/10.1007/s11625-018-0538-5>). He has also been bestowed several prizes, such as the Norbert Wiener Award by Emerald.

A list of publications is available under:

https://www.alexandria.unisg.ch/view/pub_alex_user_id/502.html



SCHWANINGER
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Bernard SCOTT

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Bernard Scott is Gordon Pask Professor of Sociocybernetics at the International Center for Sociocybernetics Studies. He is also a member of the editorial advisory boards of the journals *Kybernetes*, *Cybernetics and Human Knowing*, *Campus-Wide Information Systems* and *Constructivist Foundations*.

While in school Scott worked with his supervisor, Gordon Pask, to develop “conversation theory” and associated cybernetic models of learning and teaching, build interactive learning environments and carry out extensive empirical studies of how humans learn.

Scott has authored over 130 publications.

Scott is a fellow and founder member of the U.K.’s Cybernetics Society, an Associate Fellow of the British Psychological Society, and a Fellow of the American Society for Cybernetics. The American Society for Cybernetics also awarded him the McCulloch Award in 2013.

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**SCOTT
Bernard**

George SOROS

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George Soros is a business magnate, investor, philanthropist, political activist, and author. He is also the founder and manager of Soros Fund Management and the Open Society Foundation, as well as the founder of the Central European University.

Soros has been a critic of the classical philosophy of science as it is often applied in the social sciences. He is the inventor of reflexivity theory as an alternative to equilibrium theory in economics and of multi-disciplinary methods for analyzing social systems.

He has authored many books and articles.

The *Financial Times* has selected George Soros as its **Person of the Year 2018**. The Financial Times typically chooses somebody based on their achievements. This year, their selection also reflects the values Mr. Soros and **Open Society support**.

https://en.wikipedia.org/wiki/George_Soros



SOROS
George

Robert TRAPPL

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Robert Trappl is an [Austrian](#) scientist and head of the [Austrian Research Institute for Artificial Intelligence](#) in Vienna, which was founded in 1984.

He is known for his work in the field of [cybernetics](#) and [artificial intelligence](#).

Trappl is also editor-in-chief of the scientific journals *Applied Artificial Intelligence* and *Cybernetics and Systems*, and a member of the editorial boards of several other journals.

His main research interest had always been the human mind since it can be analyzed by three distinct methods the results of which eventually have to converge: 1. by introspection, 2. by analyzing the behavior of a person, and 3. by studying the human brain.

His main research focus is the investigation of the potential contributions of Artificial Intelligence methods to the avoidance of outbreaks of wars or in ending them, and the development of intelligent and emotional personality agents both for synthetic actors in films, television and interactive media, with a view on their consequences for theories on cognition and emotion.

Trappl has published over 180 articles and co-authored 34 books.

https://en.wikipedia.org/wiki/Robert_Trappl



**TRAPPL
Robert**

**IASCYS
Honorary President**

2012-2020

Professor Dr Murray Turoff <http://web.njit.edu/~turoff>,
from the Ying Wu College of Computing of the New Jersey Institute of Technology <http://is.njit.edu/turoff>
was a pioneer, the “*father of computer conferencing*”.

He created the first computer conferencing system for the U.S. Office of Emergency Preparedness in 1971.

The system he developed then was **the Electronic Information Exchange System (EIES)**.

He co-founded **the Information Systems for Crisis Response and Management community** <http://iscram.org>
and designed **the Emergency Management Information System And Reference Index (EMISARI)**, the first group communication-oriented crisis management system in the world, with the explanatory, and hence crosses or blurs the boundaries between art and science. Inherent in this is a desire for intricacy and depth for contextually appropriate ethical behaviour in all our relations with the worlds we thus bring forth.



TUROFF
Murray

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 a past president of the [American Society for Cybernetics](#). 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, and Bulgaria. He received the Norbert Wiener Award of the American Society for Cybernetics.

See also https://en.wikipedia.org/wiki/Stuart_Umpleby



UMPLEBY
Stuart A.

IASCYS
President
2015-2020

Robert VALLÉE †

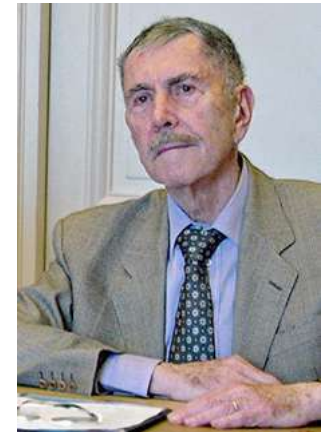
Robert Vallée was professor emeritus at the Université Paris-Nord. He was also President of the World Organization of Systems and Cybernetics as well as Honorary President of the French Association of Systemics and Cybernetics. He was a member of the editorial boards of *Kybernetes*, *Economies et Sociétés*, the *International Journal for Biological Systems, Cybernetics and Human Knowing*, *Grundlagenstudien aus Kybernetik und Geisteswissenschaft*, *Robotica*, and *Res-Systemica*.

Vallée also nourished private interests in **sociological** problems as well as in history. The first led him to describe a **cybernetic** creature covering the whole surface of the globe with its **communication** net (1952), an idea which has also been proposed (under the name of "cybionte", 1975) by Joël de Rosnay. He also wrote articles devoted to historical aspects of cybernetics and systems, referring to René Descartes, Louis de Broglie, and Norbert Wiener. He is the founder of the Cercle d'Études Cybernétiques. He has introduced the concepts of observation operator, inverse transfer of structures, epistemo-praxiology, epsilon distribution, and the internal time of a system.

Vallée has authored more than 150 papers.

https://fr.wikipedia.org/wiki/Robert_Vallée

https://en.wikipedia.org/wiki/Robert_Vallée



VALLÉE †

Robert

1922, Poitiers, France

IASCYS

founding member

WOSC

late President

AFSCET

late Honorary President

Ernst Von GLASERSFELD †
(March 8, 1917 – † November 12, 2010)

http://en.wikipedia.org/wiki/Ernst_von_Glasersfeld

**Philosopher and Cybernetician,
Emeritus Professor of Psychology at the University of Georgia, Research Associate at the Scientific Reasoning
Research Institute, Adjunct Professor in the Department of Psychology at the University of Massachusetts, Amherst.**

Ernst Von Glasersfeld was born in Munich. At the start of the second world war, objecting to the acts in central Europe by central Europeans, he moved to Ireland (a neutral country) and took up Irish nationality. He retained this nationality until his death. After moving to the USA (in 1967) he also acquired US citizenship.

Member of the Board of Trustees of the **American Society of Cybernetics**,
from which he received **the McCulloch Memorial Award** in 1991.

Member of the Scientific Board of the **Instituto Piaget, Lisbon.**

He spent large parts of his life in Ireland and Italy.

He was a proponent of *radical constructivism* and of *the “Ecology of Mind”*.

Ernst von Glasersfeld's answers on <http://www.oikos.org/>

An Exposition of Constructivism <http://www.oikos.org/constructivism.htm>

“Ecology of mind“ website: Remembering Ernst von Glasersfeld <http://www.oikos.org/vonen.htm>

Radical constructivism: a way of knowing and learning

<http://www.vonglasersfeld.com/>

<http://srri.umass.edu/vonglasersfeld>

The University of Vienna maintains the definitive “Ernst von Glasersfeld” web site.

He was also the creator of the first symbols of **the lexigram**, a device used in the field of animal language.



Von GLASERSFELD †
Ernst
München, Deutschland

IASCYS founder

Shouyang Wang is a Changjiang distinguished professor and vice president of Academy of Mathematics and Systems Science, Chinese Academy of Science (CAS) in Beijing, chief economist and founding director of the Center for Forecasting Science, CAS, and Dean of School of Economics and Management, University of Chinese Academy of Sciences.

He was the president of International Society of Knowledge and Systems Science, and is the president of China Society of Systems Engineering, a vice president of the Chinese Academy of Management and an advisor of several ministries of China. His honours include Resarch Fellow, Dutch Royal Acad. of Sciences, 1987-88; Croucher Foundation Fellow, Hong Kong, 1993; China Sci and Tech Prize for Young Scientists, 1994; Japan Sci. Promotion Soc. Fellow, 1994; Fudan Premier Prize of Management, 2008; Academician, International Academy of Systems and Cybernetics Science, Wien, 2010 Fellow of The World Academy of Sciences and Scott Award, Moskow, 2014..

He has made outstanding achievements in the area of decision analysis, financial risk management, economic monitoring and early warning decision support system, R&D of supply chain collaborative virtual business innovation service platform, systems engineering theory methodology and the development of the discipline. He has published 35 monographs and more than 330 papers in international academic journals, in which more than 300 papers are indexed by SCI/SSCI with over 3800 citations by other SCI/SSCI papers.

https://www.researchgate.net/profile/Shouyang_Wang

http://www.apiems.org/Files/SWang_CV.pdf



WANG
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Kevin Warwick is an Emeritus Professor at both [Reading](#) and [Coventry](#) Universities, UK and during 2004 was Senior Beckman Fellow at the [University of Illinois at Urbana- Champaign](#), USA. He is an Active Member of the [European Academy of Sciences and Arts](#) since 2014, a Fellow of the [City & Guilds of London Institute](#) since 1988, a Chartered Engineer and a Fellow of the [Institution of Engineering and Technology](#) since 1985. He has received a number of awards including: [Future of Health Technology award](#), MIT, in 2000, [IET Mountbatten medal](#) in 2008 and the [Ellison-Cliffe medal](#) from the [Royal Society of Medicine](#) in 2011. He has 9 honorary doctorates and in 2000 presented the [Royal Institution Christmas Lectures](#). Kevin's experiments into implant technology led to him being featured as the cover story on the US magazine, 'Wired'. He achieved the world's first direct electronic communication between two human nervous systems, the basis for thought communication. Another project extended human sensory input to include ultrasonics. He also linked his nervous system with the internet in order to control a robot hand directly from his neural signals, across the Atlantic Ocean. In another project, working with surgeons at the John Radcliffe hospital, Oxford, he has pioneered the use of a new deep brain stimulation device, based on Artificial Intelligence, to assist in the treatment of Parkinson's Disease. Currently, his research interests are focused on biomedical systems, artificial intelligence and cyborgs.

https://en.wikipedia.org/wiki/Kevin_Warwick

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WARWICK
Kevin

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Andrzej P. Wierzbicki, Ph. D., D. Sc., is a Full Professor of the National Institute of Telecommunications, Warsaw, Poland, with expertise in Control Systems Engineering and Telecommunications Engineering.

https://www.researchgate.net/profile/Andrzej_Wierzbicki

He is the author of Creative Space Aspiration Based Decision Support Systems: -Theory, -Software and -Applications.

http://www.goodreads.com/author/show/2354814.Andrzej_P_Wierzbicki

He has authored more than 150 papers and 10 books.



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Jennifer Wilby is a professor of management systems at the Hull University Business School. She sits on the board for the International Society for the Systems Sciences, The United Kingdom Systems Society, and The UK Complexity Society. She is also editor for the University of Hull's Research Memorandum Series, the Conference proceedings of and the *Bulletin* of the International Society for the Systems Sciences, and *Systemic Practice and Action Research*.

Wilby's fields of expertise are general systems theory, hierarch theory, critical systems thinking and practice, decision making and modeling, systematic reviews, and the methodology of critical review.

Wilby has about 70 publications including 8 monographs and 26 journal articles.

https://en.wikipedia.org/wiki/Jennifer_Wilby



**WILBY
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Stephen Wolfram is the creator of Mathematica, Wolfram|Alpha and the Wolfram Language, and the founder and CEO of Wolfram Research. A pioneer in the development and application of computational thinking, he has been responsible for many discoveries, inventions and innovations in science, technology & business. Wolfram has been involved with education for many years, founding the Wolfram Summer School in 2003, and in 2015 publishing *An Elementary Introduction to the Wolfram Language* to introduce young students and others to modern computational thinking. Stephen is also the author of *A New Kind of Science*, *Idea Makers: Personal Perspectives on the Lives & Ideas of Some Notable People*, and most recently *Adventures of a Computational Explorer*.

Wolfram has been the CEO of Wolfram Research since its founding in 1987. In addition to his corporate leadership, Wolfram is deeply involved in the development of the company's technology, personally overseeing the functional design of the company's core products on a daily basis, and constantly introducing new ideas and directions. Wolfram is a sought-after advisor, mentor and speaker in corporate, entrepreneurial and educational settings. He and his wife have four children and live in Concord, Massachusetts (USA).

https://fr.wikipedia.org/wiki/Stephen_Wolfram

https://en.wikipedia.org/wiki/Stephen_Wolfram

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Jiuping Xu is a professor of Systems Sciences and Engineering,
Management Science, and Engineering Management at Sichuan University.

Xu's research interests include decision under uncertainty; systems sciences and engineering; management science; engineering management; system comprehensive integration theory, technology, and application for circular economy; systems engineering of post-disaster reconstruction; force analysis; optimized design of well completion; test of tubular strings; and low carbon technology and management.

Xu has authored more than 40 books and 400 journal papers.

Xu was awarded the International Federation of Operations Research Societies prize for Development in 1996, the China Youth Prize of Science and Technology in 2004, and the Distinguished Professor of "Chang Jiang Scholars Program" by the Ministry of Education of the People's Republic of China in 2009.



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Zeshui Xu gained his MSc in Operations Research and Cybernetics from Qufu Normal University and obtained his PhD degree in Management Science from Southeast University, China. From April 2003 to May 2005, he was a Postdoctoral Researcher at the School of Economics and Management, Southeast University. From October 2005 to December 2007, he was a Postdoctoral Researcher at the School of Economics and Management, Tsinghua University, China. From January 2008 to December 2018, He was the Chair Professor at the PLA University of Science and Technology, China. He is a Distinguished Young Scholar of the National Natural Science Foundation of China, the Chang Jiang Scholar of the Ministry of Education of China, and the national expert with outstanding contributions. He is currently a professor at the Business School, Sichuan University, China. Meanwhile, he is also an Adjunct Professor at the Antai College of Economics and Management, Shanghai Jiao Tong University, the School of Economic and Management, Southeast University, and the School of Management and Economics, Beijing Institute of Technology, etc.

Prof. Xu has been the director of more than 30 research projects and has designed and participated in several international collaborative projects. He has authored 12 monographs published by Springer and contributed more than 500 SCI/SSCI articles to professional journals, and is among the world's top 1% most highly cited researchers with about 54,000 citations, his h-index is 116. He is one of top ESI global scientists in the fields of both Computer Science and Engineering (ranked 14th among 3,084 in Computer Science and ranked 299th among 8,250 in Engineering. Released by Clarivate Analytics, Nov, 2017). He is currently the associate editor or editorial (advisory) board member of more than 40 professional journals including IEEE Transactions on Fuzzy Systems, IEEE Access, Information Sciences, Information Fusion, Knowledge-Based Systems, Fuzzy Optimization and Decision Making, International Journal of Fuzzy Systems, [International Journal of Machine Learning and Cybernetics](#), Technological and Economic Development of Economy, Financial Innovation, etc., and the reviewer for more than 300 professional journals. He has been invited as the technical program committee member of more than 50 internal and international academic conferences. For his outstanding technical contributions to the development of approaches and technologies for decision making, mainly in uncertain multi-attribute decision making theories and in complex decision-making theories and pioneering applications, he has been elected as Academician of IASCYS (International academy for systems and cybernetic sciences), Fellow of IEEE (Institute of Electrical and Electronics Engineers), Fellow of IFSA (International Fuzzy Systems Association), Fellow of RSA (Royal Society of Arts), Fellow of IET (Institution of Engineering and Technology), Fellow of BCS (British Computer Society), and ranked 320th among World's Top 100,000 Scientists in 2019. He has also been selected as "The Highly Cited Researchers" from 2014 to 2019 in the fields of Computer Science and Engineering (Released by Thomson Reuters and Clarivate Analytics), and the Most Cited Chinese Researcher in Computer Science from 2014 to 2018 (Released by Elsevier).

His current research interests include decision making, information fusion, clustering analysis, bibliometric, data analysis, and fuzzy sets.



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Ph.D., The Hong Kong Polytechnic University (2002)
Vice President (since 2003) and Professor (1993) Chongqing Normal University(CQNU)
Director (since 2009), Key Lab of Optimization and Cybernetic Sciences, Ministry of Education,China.
<http://kloc.cqnu.edu.cn>

Key Research Contributions:

Multiobjective optimization, Vector optimization, Fuzzy sets systems, Decision making

Previous Academic Positions

1. Adjunct professor, Curtin University of Technology (Australia), 2008.4--2011.3;
2. Chinese Mathematical Society (CMS):Vice-President, 2012.1--2015.12
3. Senior research fellow, Department of Systems Engineering and Engineering Management, The Chinese University of Hong Kong, 1998.8--1999.2

Elected Offices in Professional Societies

1. Systems Engineering Society of China (SESC): Vice-President, 2010-present
2. Operations Research Society of China(ORSC): Vice President, 2008--present
3. China Society for Industrial and Applied Mathematics: Vice President, 2016--present
4. Adjunct professor, The University of British Columbia (Canada), 2015--present
5. Editor (Editor-in-Chief), Pacific Journal of Optimization, 2015 --present
6. Associate editor, Journal of Optimization Theory and Applications, 2015--present
7. Associate editor, System Engineering: Theory and Practice, 2010--present
8. Editorial member, Journal of Industrial and Management Optimization,2005--present
9. Editorial member, Journal of Systems Science and Information, 2013---present
10. Editorial member, Journal of Sys. Sci. & Math. Scis., 2013--present
11. Editorial member,Acta Mathematicae Applicatae Sinica,2012--present
12. Editorial member,Journal of the Operations Research Society of China, 2012--present

Honors and Awards

1. First Class Prize for Natural Sciences of Ministry of Education of P.R. China(2009)
2. First Class Prize for Natural Sciences of Chongqing (2006, 2013)
3. First Class Prize for Scientific and Technological Progress of Chongqing (1998)
4. National Outstanding Talent in Professional and Technical of China (2014)
5. National Excellent Science and Technology Worker of China (2012)
6. Science and Technology Award for Youth of China (2001)
7. National Outstanding Expert in Science and Technology of China (1996)

Publications

Co-Authors of 2 books, more than 122 referred SCI Journal papers



**YANG
Xinmin**

Ji-Feng ZHANG

<http://lsc.amss.ac.cn/~jif>

**born in Shandong, China, Sept. 1963, Ph.D., IEEE Fellow, IFAC Fellow (Ph.D., M.S., Institute of Systems Science, Chinese Academy of Sciences, 1991, 1988, respectively; B.S., Shandong University, 1985)
Director (2012-2017) and Guan Zhaozhi Chair Professor (2014-2016), Institute of Systems Science (ISS), Academy of Mathematics and Systems Science (AMSS), Chinese Academy of Sciences (CAS), China.**

Key Research Contributions:

System modelling and adaptive control, Stochastic systems, Multi-agent systems, Networked and quantization systems

Previous Academic Positions

Deputy Director, ISS, AMSS, CAS, 2003-2012 ; Professor, AMSS, CAS, 1999-2013; Professor, ISS, CAS, 1997-1999; Associate Professor, ISS, CAS, 1993-1996; Research Associate, ISS, CAS, 1991-1992. Post-Doctor, Dept. of EE, McGill Univ., 1991-1992; Visiting scholar, Dept. of MAE, Chinese Univ. of Hong Kong, 1996-1998; Visiting Prof., Dept. of ECE, Wayne State Univ., 2000.

Elected Offices in Professional Societies

International Federation of Automatic Control (IFAC): Vice-Chair of the Technical Board, 2014-2017 ; Chinese Association of Automation (CAA): Vice-General Secretary, 2002-2008; Vice-President, 2014-2018; TCCT Chair, 2010-2017 ; Systems Engineering Society of China (SESC): Vice-President, 2010-2018. IEEE Control Systems Society: Board of Governors, 2013; Associate Editor, IEEE Trans. Automatic Control, 2007-2009. Editor-in-Chief: "J. Sys. Sci. & Math. Scis.", "All About Systems and Control", 2014-2017.

Honors and Awards

IFAC Fellow (elected in June 2016) ; IEEE Fellow (elected in November 2013) ; Recipient of two State Natural Science Award (Second Prize), in 2010 and 2015, respectively ; Excellent Chinese Doctoral Dissertation Supervisor, 2009 Recipient of the National Science Fund of China for Distinguished Young Scholars, 2007.

Publications

Co-Authors of 2 books, 4 chapters in books, more than 80 referred SCI journal papers, more than 70 conference papers.



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**Guest Lecturer of Philosophy,
University of Applied Sciences for Technology and Economics,
Berlin, Germany, Europe**

Appointments

Life Member, Clare Hall, UK – Cambridge
Institute for Design Science Munich e.V.
Leibniz Learned Society of the Sciences Berlin e.V.

Board Memberships

Science of Information Institute (SOII), Washington D.C., www.soi.info
Institute for a Global Sustainable Information Society (GSIS), Vienna, www.gsis.at
Unified Theory of Information Research Group (UTI), Vienna, www.uti.at
Institute for Design Science (IDSci), Munich, www.designscience.de

Editorships

System & Struktur, half-yearly journal (founding editor/co-editor 1990-1999), Junghans, Cuxhaven (D), Dartford (UK)
Munich Monographs on Design Science (founding co-editor since 2007), Shaker, Aachen (D)
Yearbook on Structural Change and Discourse (founding co-editor since 2018), Xenomoi, Berlin (D)

Fields of Expertise and Interest (achievements in research)

Transcendental Materialism
Sciences of Complexity (Evolutionary Systems Theory – EST)
Information Theory (Unified Theory of Information – UTI)

Publications

about 400 (30 monographs and books)



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