

Round Table

Discussion Members



Mr. Chan Chun Sing
Minister of Education, Singapore

Mr Chan Chun Sing was appointed Singapore's Minister for Education on 15 May 2021 and Minister-in-charge of the Public Service since 1 May 2018. Mr Chan drove Singapore's economic and industrial development as Minister for Trade and Industry (MTI) from 2018 to 2021.

At MTI, he ratified the Regional Comprehensive Economic Partnership agreement, as well as deepened international cooperation on the digital economy. As Deputy Chairman of the People's Association from 2015 to 2021, he oversaw national efforts to foster social cohesion.

As Secretary-General of the National Trades Union Congress (NTUC) from 2015 to 2018, he expanded the Labour Movement network to represent all working people in Singapore. Prior to NTUC, he held portfolios in Social and Family Development Community Development, Youth and Sports, Defence and Information, Communications and the Arts.

Serving with the Singapore Armed Forces from 1987 to 2011, Mr Chan held various appointments including Chief of Army. He graduated with First Class Honours in Economics from Christ's College, Cambridge University, UK.



Prof. Liu Xin
*Tsinghua University
Academy of Arts & Design, China*

Dr. Liu Xin is tenure track professor in the Academy of Arts and Design, Tsinghua University. He is director of the Eco-Design Research Institute, deputy director of Sustainable Design Research Institute, deputy director of Industrial Design Department, Coordinator of DESIS Lab Tsinghua, The Initiator and Coordinator of LeNS-China. He mainly teaches courses such as "Design for Sustainability", "Comprehensive Design Fundamentals" and "Transportation Design".



Prof. Antti Ahlava
Aalto University, Finland

Antti Ahlava, Doctor of Art (Design), M.Arch SAFA, is Full Professor of Emergent Design Methodologies at Aalto University's School of Art Design and Architecture, working with building design and urban design with the current focus on cross-disciplinary art and design as well as metaxography. He is also partner at the prizewinning architectural bureau Helsinki Zürich Office with Tommi Mäkynen and Mirjam Niemeyer and in Concept Studio with Kivi Sotamaa and Fredrik Lindberg. Ahlava's professional commissions have covered all scales in architecture and his expertises include campus design and industrial heritage

development. His past accomplishments include the renovation of Helsinki Art Museum HAM, urban regeneration projects in Helsinki region and the urban design of Helsinki City Hall quarters. He received a Human City Design Award in 2019 for School as a Service project. Ahlava is also Life Member at Clare Hall College of Cambridge University, Adjunct Professor at Donghua University, and Chairman of the Board of the Finnish Institute in Japan. He has been earlier Head of the Department of Architecture at Aalto University, Visiting Fellow at Harvard GSD and Aalto University's Vice President (campus development).



Prof. Mariana Amatullo
Parsons School of Design, United States

Mariana Amatullo, Ph.D. Associate Professor, Strategic Design and Management, Parsons School of Design Vice Provost and Academic Dean, Continuing and Professional Education, The New School.

A practitioner-scholar, strategist, and author with twenty years of experience bridging national and international collaborations between academia and the public and private sectors, Mariana is the Vice Provost and Academic Dean for Continuing and Professional Education and Associate Professor of Strategic Design and Management in

the School of Design Strategies at Parsons School of Design, The New School. Her research is focused on the capacity of design to advance innovation in organizations and environments of social complexity. Her latest publication (co-editor) is *Design for Social Innovation: Case Studies from Around the World* (Routledge, 2021); the upcoming monograph *Inflection Point: Catalytic Moments in Designers' Lives* (working title) examines design leadership in a world in flux. Mariana lectures internationally and serves on prominent boards and juries in the arts and design fields, including the Board of Aalto University, Finland. She is an Honorary President of the Cumulus Association, a Salzburg Global Fellow, and a Fellow with the Royal Society of the Arts. Mariana holds a Ph.D. in Management from Case Western Reserve University; an M.A. in Art History and Museum Studies from the University of Southern California, and a Licence en Lettres Degree from the Sorbonne University, Paris, where she also studied Art History at L'Ecole du Louvre. Mariana is a native of Argentina and grew up around the world.



Prof. Enrico De Angelis
Politecnico in Milano, Italy

Enrico De Angelis, Master and PhD in Building Engineering, both at Politecnico di Milano, is Full Professor at Politecnico di Milano, enrolled in the Department of Architecture, Built Environment and Construction Engineering.

Expertise: He is an expert in Building Pathology and Diagnostics and Building Performance Engineering, with a life-long focus about the realization of energy and mass transfer related functions of the building envelopes, supported by a wide professional experience in Design Review and Failure Analysis.

His practice and specialization field are the design and the construction of high-performance Building Envelopes and their optimization.

Activities: After graduation, he has been active as editorialist, Engineers Corp officer (Lieutenant), freelance researcher, designer, Forensic Engineer (Milano's Civil Court) and Technical Director of a Certified Inspection Body operating in Construction Sector.

In 1998, after 10 years of mixed professional and academic activity, he started, as Senior Researcher, his full-time academic activity at Politecnico di Milano, where, actually, operates as In the Department system, he has filled many roles, serving as responsible for many functions and director of many projects: member of the Scientific Commission, Department Bibliotheque director, member of the Director's Board, Head (Coordinatore) of the PhD Program in "Architecture Built environment and Construction engineering". In the Schools system, he has been member of the Direction Board of the PhD School and of the Steering Board (Commissione Permanente) of the Building Engineering Program. He is now Responsible of the internationalization of the ABC Department and rector's delegate for the PhD Supervisor Training action.

Research: His research field is Building Design (Area 08 - Civil engineering and architecture). His personal approach to Building Design focuses on the Metrics of Building Quality (Performance Approach) and the use of a scientific method (measurement or modelling of building performances) to support design choices.

His actual research interests are:

- The reduction of embodied carbon and embodied energy of building constructions (with a specific focus on the recycle of fashion industry and agricultural industry wastes).
- The use of artificial intelligence in the quality management of design activities.
- The strategic planning of Environmental Social and Governance actions in the AEC industry.

Teaching: He teaches and has taught mainly in Architectural Engineering and Civil/ Building Engineering programs, either at bachelor, master and PhD level. The subjects of his teaching activity started on Building Technologies and their application in Building Design and Detail Design laboratories (workshops and ateliers in traditional of Italian Civil Engineering curricula, called "Architettura tecnica"). His focus evolved from Energy Conscious and Passive Design, to Building Pathology and Maintenance Technologies, back to Energy Modelling (and dynamic simulation applied to building design), Zero Carbon Buildings and Design Validation practice.

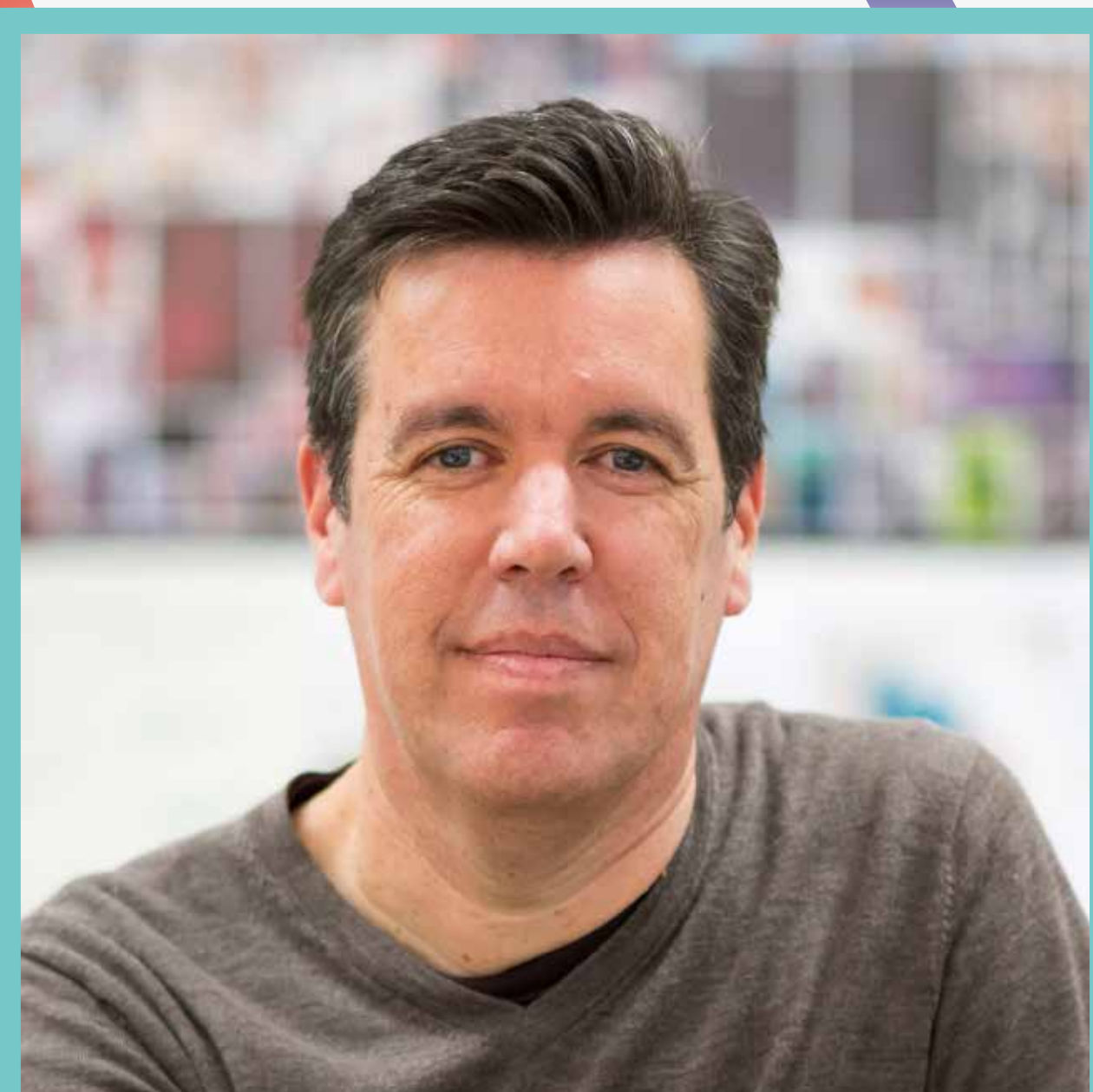
He has also been active as Director of other graduate courses either about technical topics (i.e. a series of Building Envelope Engineering upgrading courses and a Master in Acousics), innovation (a PhD School Course named Building Futures) or professional activity management (i.e. a Master Course for Italian-Swiss practitioners Il Tecnico Transfrontaliero delle Costruzioni).

During his activity as member and then Head of a PhD program he started a long practice of training early stage researchers in their State of the Art and positioning as researcher, organizing courses about the use of Bibliographic Databases, Bibliometry and Research Writings in general. He is actually involved in Training PhD Supervisors, as member of the Rector's Delegate Team for Talent Development.



Prof. Masao Kakihara
Tokyo University of Science, Japan

Masao Kakihara is Professor at Department of International Digital and Design Management, School of Management, Tokyo University of Science (TUS), and also Director of Co-creative Design Innovation Research at TUS. Before joining TUS, he worked at Google for 10 years based in Tokyo and Singapore and led various user research projects mainly for Google Search. He earned his Ph.D. in Information Systems at London School of Economics.



Prof. Gareth Loudon
Royal College of Art, United Kingdom

Gareth Loudon is Professor of Creativity and Head of Programmes for the MA/MSc Innovation Design Engineering and MA/MSc Global Innovation Design, which are run jointly with Imperial College London. Gareth's interest is creativity, combining ideas from anthropology, psychology, engineering and design, and has led international transdisciplinary research projects both in academia and industry. Previously Gareth was Associate Dean (Research) at the Cardiff School of Art and Design. He has also worked for Apple and Ericsson Research in the design and development of new software and computer embedded products. Gareth is a Chartered Engineer, a Fellow of the Institution of Engineering and Technology and a Fellow of the Higher Education Academy.



Prof. Daan van Eijk
Delft University of Technology, Netherlands

Daan van Eijk is chair professor in Industrial Design at Delft University of Technology in the Netherlands. He has been working for +/- 15 years in the Industrial Design practice and since 2004 in his current position. His focus is on integrating Human, Technology and Business aspects into product service systems.

Van Eijk is known as a connector of industry, knowledge institutes and governmental organizations. He is a driving force in empowering the design sector through networking, knowledge development and education.

He serves as the University representative for the World Design Organisation and the Cumulus Global Association for Art & Design Education. For the last 30 years he has been a regular visitor to East-Asia.