

Speakers' biographies

	<p>Gry HASSELBALCH, Master of Ceremony</p> <p>She is an author and scholar specialised in the powers and interests of the big data and AI era. She is co-founder and Research Director of the European thinkdotank DataEthics. Gry has been tasked by international institutions and governments on multiple occasions as an independent expert, among others by: the European Research Council, ERC, the Danish government's first Data Ethics Expert Committee and as a member of the EU High Level Expert Group on AI that developed EU's AI ethics guidelines that contributed directly to the EU's AI strategy. Today she is the Research Lead and Senior Key Expert on AI Ethics in the <i>International Outreach for a Human-Centric Approach to Artificial Intelligence</i> (InTouchAI.eu) initiative that supports the European Commission in engaging with international partners on regulatory and ethical matters and promoting the responsible development of trustworthy AI at global level. She furthermore founded and is leading the Data Pollution & Power Initiative at the University of Bonn's Institute of Science and Ethics' Sustainable AI Lab. Gry's latest critically acclaimed book <i>Data Ethics of Power – A Human Approach in the Big Data and AI Era</i>, published with Edward Elgar in 2021, provides an innovative ethical framework for studying and governing Big Data and Artificial Intelligence with a focus on power dynamics. Gry has an M.A. in Communications and Cultural Studies from Goldsmith's College, University of London and a PhD. in data ethics from the University of Copenhagen.</p>
	<p>Ruth SCHAGEMANN, Architects' Council of Europe, President</p> <p>She is an architect who studied architecture at the University of Braunschweig and at the University of Stuttgart in Germany. In 2006 she founded the Architect's office VICEVERSA Architektur + Medien together with her husband. She was elected member of the executive board of the Architects' Council of Europe (ACE) from 2016 until 2021, Coordinator of the European Network of Architects' Competent Authorities (ENACA), member of the Coordination Group Europe of the Federal Chamber of German Architects and is head of department of national and international professional policy at the Chamber of Baden-Württemberg. Since 1 January 2022 she is the President of Architects' Council of Europe.</p>
	<p>Julia ANGWIN, The Markup founder</p> <p>She is the founder and Editor-at-Large at The Markup, a nonprofit newsroom that produces meaningful data-centered journalism about technology and the people affected by it. Before founding The Markup, she led investigative teams at ProPublica and The Wall Street Journal. She is the author of "Dragnet Nation: A Quest for Privacy, Security and Freedom in a World of Relentless Surveillance," (Times Books, 2014) and "Stealing MySpace: The Battle to Control the Most Popular Website in America" (Random House, March 2009). She has a B.A. in mathematics from The University of Chicago and an MBA from Columbia University. She is a winner and two-time finalist for the Pulitzer Prize in journalism.</p>
	<p>Ingrid PAOLETTI, Associate Professor of Building Technology at the Architecture, Built Environment and Construction Department (ABC) at Politecnico di Milano.</p> <p>She is an associate professor in the Technology of Architecture at the Polytechnic University of Milan. She has a PhD in Building Technology from Milan's Polytechnic University and was an associated researcher at the Massachusetts Institute of Technology. She is the founder of the research group in theoretical and design experimentation Material Balance, where she is involved in innovative technologies and materials to develop a new and responsible material culture. She is a deputy rector for Expo Dubai 2020 and Vice President of the Fondazione Politecnico. She partners with various International Universities, including KTH, KDAK and Glokno Center.</p>
	<p>Emmanuel DI GIACOMO, EMEA BIM Ecosystem Development Manager Autodesk France</p> <p>With more than 7 years as a BIM technical and methodological advisor for the Southern Europe region, Emmanuel Di Giacomo holds a degree of Architect (1993) from Paris Tolbiac University, with more than 30 years of experience in 3D for the Architecture and Construction Industry. He is currently Head of BIM Ecosystem Development for Europe at Autodesk. He was previously AEC Technical Manager for Autodesk France in charge of recommending the strategy for implementing BIM solutions at major Architectural practices and Key Accounts in the field of Building and Construction, ensuring the strategic monitoring of these companies. On his arrival at Autodesk more than 20 years ago, he assumed the responsibilities of Marketing Manager of the AEC market for 3 years – years during which he launched Autodesk Revit, a leading BIM solution in the sector – before having been Product Manager for 3 software for Architecture, Construction, Design and Multimedia Professionals. He highlights the news of the construction industry and new technologies on his blog ABCD blog which is one of the most read in Europe.</p>

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Josef MUSIL, Architect, Foster+Partners

He is a partner and a computational designer at Foster + Partners in London, where he is part of the research and computational design oriented Specialist Modelling Group. In his work he focuses on applied research, application of new technologies, and algorithmic design to complex architectural and geometrical challenges informed by environmental analysis or manufacturing constraints. Josef studied as a Fulbright scholar at the University of Pennsylvania, School of Architecture, where he received his research MArch degree within the topics of computational design. Josef worked as a researcher or a tutor at UPenn, USC, UCL, and AA Visiting School. Josef is enthusiastic about bridging computer science or other sciences with architecture and applications of machine learning in environmental design. Some of the projects he worked on include Safra neuron screen, where he built a generative model of a small section of brain also called cortical column with an automated workflow that reads 3D scans of neuroscientific scans as well as implements structural analysis and manufacturing constraints. He also specialises on the application of small robotics within the office. This has been demonstrated by a working functional prototype of a small number of 3D printing swarm based robots for a NASA organized Mars habitat competition where Foster and Partners received second place. Other projects include a kinetic lighting sculpture activated by muscle wires and reacting to live brain wave signal reads. He also developed an AI based tool for real-time prediction of CFD analysis in built environment.



Jiří VITEK Studio Uran, ICE architect, Czechia

He graduated in civil engineering at Brno University of Technology and the Faculty of Architecture at Brno University of Technology (2009), 2012-2016 studied at Die Angewandte in ZAHA HADID studio in Vienna. Since 2017 he has been teaching at the Faculty of Architecture in Brno and leading a studio at the Institute of Experiment / Research Cluster URAN. In 2019, He returned to Die Angewandte in the studio of Hani Rashid. In January 2021, he graduated from Vienna Studies by defending his thesis Hydrogen Island. He is currently continuing as a Ph.D. candidate at the Faculty of Arts and Architecture in Liberec under the supervision of Imro Vasek and Prof. Tomas Vizek.

He is involved in design and research in the field of digital architecture , where he focuses on the conceptual and ontological domain of architecture. In his free artistic work, he focuses on the relationship between rational and irrational components and the discovery of new structures. Currently he is focused on AI research and application of digital design into 3dCP technologies, he is leading architect at ICE Architect (Ice Industrial services).



Matias DEL CAMPO, Director AR2IL - Architecture and Artificial Intelligence Laboratory at Taubman College of Architecture + Urban Planning, University of Michigan

He is a registered architect, designer, and educator. He is Associate Professor at Taubman College of Architecture and Urban Planning, University of Michigan, director of the AR2IL – The Architecture and Artificial Intelligence Laboratory at UoM, and an affiliate faculty member of Michigan Robotics, Computer Science, and Data Science. Matias del Campo is the co-founder of the architecture practice SPAN. The practice gained wide recognition for the design of the Austrian Pavilion at the 2010 Shanghai World Expo, and more recently, for the Robot Garden at the Ford Robotics Building. SPAN's work was featured in the Venice Architecture Biennale in 2012 and 2021, at ArchiLab 2013, and the Architecture Biennale in Vienna and Buenos Aires in 2019. Solo shows include 'Formations' (MAK, Vienna) and 'Sublime Bodies' (Fab Union, Shanghai). SPAN's work is in the permanent collection of the FRAC, the MAK, the Benetton Collection, the Albertina, the Pinakothek Munich, and several private collections. His publishing work includes two editions of AD - Evoking through Design and Machine Hallucinations (co-edited with Neil Leach) as well as the books Neural Architecture – Design and Artificial Intelligence (ORO Editions 2022) and Sublime Bodies (co-authored with Sandra Manninger, Tongji Press 2017) He is leading architect at ICE (Ice Industrial services) where they currently focus on 3DCP technology and architecture and building processes innovation.



Filippo LODI, Head of Innovation and Knowledge Management, UNSTUDIO

He holds several master's degrees in engineering, architecture, art and business, making him an all-around thinker. Filippo, as Associate Director | Senior Architect, leads UNSx, UNStudio's innovation think-tank and experience lab, comprised by a team of multidisciplinary talents, where he works taking a human(ity)-centric approach, on the design and development of disruptive technologies for the built environment, cognitive spatial designs, – as well as providing consulting services to companies on their value strategies and brand positioning.

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	<p>Pascal TERRACOL, Architect D.P.L.G. Full Prof HDR Doctor in Geography, University Paris-I Panthéon - Sorbonne, ENSA Paris Val de Seine, France</p> <p>He is a Professor, Director of Research (HDR), Doctor in Geography from the University of Paris I Panthéon - Sorbonne and architect D.P.L.G. He is the scientific director of the Chair of Architecture & Intelligences. Since 2010, he currently teaches in the group of disciplines Sciences and techniques for architecture - Mathematical and computer tools at the Ecole nationale supérieure d'architecture de Paris Val de Seine. He has been teaching architectural design since 1999. He is a member of the steering committee of the EVCAU laboratory and co-directs the ACN Architecture and Digital Culture doctoral seminar. He leads the research initiation seminar: Artificial Intelligence - Prospective research on the impact of cognitive sciences on the design of architectural projects. He defended his Habilitation to Direct Research From the art of the line to the art of calculation at the Sorbonne Paris Cité University - Paris Diderot University - Paris 7. He was elected full member of the Conseil National des Enseignants-Chercheurs des Ecoles d'Architecture in 2018. He is a member of the scientific and reading committee of IJDST: International Journal of Design Sciences & Technology.</p>
	<p>Daniel BOLOJAN - Founder of Nonstandardstudio</p> <p>He is the founder of Nonstandardstudio, a Senior Architect - Computational Design Specialist at CoopHimmelblau, an Assistant Professor of AI and Computational Design at Florida Atlantic University's School of Architecture, and a Ph.D. candidate at Die Angewandte Kunst in Vienna. He is a leading voice in the implementation of AI strategies in architecture and the architectural design process. Over the years, he has taught several design studios and seminars at the Institute of Structure and Design-University of Innsbruck, Florida International University Miami, and has led numerous international workshops and conference workshops on the application of complex systems and Neural Networks in architectural design. He established his own research studio, Nonstandardstudio, in 2013. His design research has evolved over the years as a result of Nonstandardstudio's work at the intersection of generative design, computation, multi-agent systems, machine learning, and deep learning. In 2014, he joined the internationally renowned architectural practice CoopHimmelblau as a Computational Designer, where he had the opportunity to work on numerous internationally renowned projects and competitions. Shortly after joining CoopHimmelblau, Daniel held the position of Junior Associate, Computational Design Specialist & Founder, and Head of Chbl Code. As the head of Chbl Code, he held the leading role of developing custom computational design tools, computational design strategies, virtual and augmented reality applications, machine learning tools and neural networks, and robotic fabrication processes. He is responsible for the office's current drive to develop deep learning strategies aimed at augmenting the designer's native abilities via the DeepHimmelblau neural network.</p>
	<p>Marjan COLLETTI, Professor of Architecture and Post Digital Practice the Bartlett School of Architecture Faculty of the Built Environment</p> <p>He is an architect, designer, educator, researcher and author. He holds a degree from the University of Innsbruck and a PhD in architectural design from The Bartlett School of Architecture UCL (MArch Architecture). He is a p/t chair professor of Building Design & Construction and head of the Institute of Experimental Architecture as well as the founder of REX LAB, the robotic experimentation laboratory at the University of Innsbruck. He is also a p/t full professor of Architecture & Postdigital Practice (first world-wide) and co-director of the MArch Architecture (ARB/RIBA Part 2) at The Bartlett School of Architecture UCL London. He was also a guest professor at UCLA (University of California Los Angeles), UTA (University of Texas Arlington) and TU Vienna, and taught at the University of Westminster and the Royal College of Art in London. He co-founded MAM-arch and ran workshops in Taiwan, Norway, Denmark and France. Marjan has exhibited over 90 times in international venues, he publishes and lectures regularly on design-research and research-led education, and acts as scientific reviewer for several major funding bodies in the UK, Switzerland, Canada, Russia, Australia, UAE etc.</p>
	<p>Andrew VAN DE MOERE, Professor in Design Informatics at the Department of Architecture at KU Leuven, Belgium</p> <p>He is a Professor in Design Informatics at the Department of Architecture at KU Leuven in Belgium. He conducts design-oriented research on the potential of emerging technologies. After graduating as an Architectural Engineer from KU Leuven university, he acquired a post-graduate degree from the Information Architecture (previously called CAAD) research group at the Department of Architecture of ETH-Zurich. He received his PhD at ETH-Zurich (2004) about developing interactive data visualizations for tele-immersive virtual reality (VR). After moving to Australia, he was appointed as a Lecturer and Senior Lecturer at the Design Lab of the The University of Sydney (USyd), where he also became the Program Coordinator of the Master Degree in Electronic Arts (M.IDEA). In 2010, he returned to his alma mater KU Leuven, where he co-directs the research group Research[x]Design (RxD).</p>

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	<p>Georg VRACHLIOTIS, Head of Theory of Architecture and Digital Culture Group - Department of Architecture TU Delft</p> <p>He is a Professor for Theory of Architecture and Digital Culture at TU Delft. From 2016 Georg was dean of the Karlsruher Institut für Technologie (KIT) Faculty of Architecture and Chair for Architecture Theory (2014-2020). Previously he conducted research at the Institute for the History and Theory of Architecture at ETH Zürich. He studied architecture at the Berlin University of the Arts and did his PhD at the ETH Zürich in 2009. Besides that he was a visiting researcher at the Center for Cognitive Science of the University Freiburg, at the Spatial Cognition Center of the University Bremen, and at the UC Berkeley Department of Architecture in California. From 2006 to 2010 he was a guest lecturer on architecture theory at the TU Wien in Vienna. Georg Vrachliotis is member of the advisory board of the magazine ARCH+ and external examiner at Bartlett School of Architecture, UCL London.</p>
	<p>Ilektra Papadaki, Architect Engineer. Team leader for construction and built environment, DG EU Growth</p> <p>She is the Team Leader in charge of construction policy in the European Commission. She is in charge of the development of the construction transition pathway, a roadmap for greening, digital transformation and resilience. She is leading policy, technical and research support for initiatives that foster the digitalisation of construction and administrative processes linked to it, mainstream holistic approaches for the sustainability of the built environment and make buildings safer for their users. Previously and while in the Commission, Ilektra was coordinating an EU initiative of smart cities. Urban development and digitalisation remain in her interests, and the last years she has authored relevant scientific papers. Ilektra holds a Master and bachelor's in architecture engineering with specialization in urbanism and high tech from the National Technical University of Athens.</p>
	<p>Angela BALDELLOU, PhD Architect, Observatorio2030, Director</p> <p>She holds a PhD in Architecture from the Escuela Técnica Superior de Arquitectura de Madrid. She also holds a degree in Information Sciences and Advertising and Public Relations from the Camilo José Cela University. Throughout her professional career she has embarked on different projects. She worked for a period of time as an architect and was also Director of Communication at IDOM. She is currently a member of the Tecma Group's Smart Cities and Nearly Zero Energy Technical Committee. She is also Director of the 2030 Observatory and President's Office of the Higher Council of Associations of Architects of Spain. She is also a member and executive director of the 'AHA Madrid 2022' forum of the International Union of Architects.</p>
	<p>Pavel Martinek, Architects' Council of Europe, Chair of the Practice Committee</p> <p>Born in Zlín, living in Prague, he graduated from the Faculty of Architecture. Since 2008 he is a principal at Martinek/Architects studio, which is focused on renovations, private housing and public space. Regularly participating in architectural competitions, some of these projects received awards. Participated on exhibitions (Young Blood Vienna, ZliNy - New York) and public presentations. Since 2012 active in the Czech Chamber of Architects. From 2014 – 2017 he was a member of the Executive Board and in 2015-2015 he held the position of Second vice – president. He was mainly responsible for introduction of new scope of services and fee-scale calculator. Since 2016 he is a member of the Gremium board of the newly founded Czech Architecture Award. In ACE he has been active in the Scope of Service work group since 2013. 2017-2018 he was nominated to the ACE Executive board on rotation principle and 2019 was elected for the second period. He is now Chair of ACE Practice Committee.</p>
	<p>Diego Zoppi, Architects' Council of Europe, Executive Board Member</p> <p>He is an architect (honours graduate in 1987 -Faculty of Architecture of Genoa) He deals with Planning, Urban Design, Urban regeneration, Restoration and architecture. He signed City frameworks, the project for the National Rowing Center, selected for the 2006 Venice Architecture Biennale, squares, waterfronts and landscape of public spaces sited in Italy, in the Middle East, in the Far East. Co-founder of AR&P Architecture with other colleagues, he successfully participates in various Design competitions (Redevelopment of the Genoa-Voltri urban waterfront coming from industrial area – realized, new parking and connection to the Historic city of the Republic of San Marino, numerous New towns around Shanghai (China), restoration of the citadel of Nanjing (China), new Tourist Center in the historic city of Jiu Ji Jiao (China) and projects as Swimming Stadium in Hanoi and Waterfront of Ho Chi Minh City (Vietnam), Redevelopment of the center District in Ryadh (Saudi Arabia), Innovation Center Solar Park (Dubai). He was member of the Board (since 2015 President) in the Provincial Council of Architects of Genoa. Since 2016 he is member of the Italian National Council of Architects, Landscapers, Planners, Conservatories where he coordinates the Department for Urban Planning Reserch & Development. Since November 2019 he is member of EB of ACE. He is currently adjunct Professor in Urban Planning at the University of Genoa.</p>