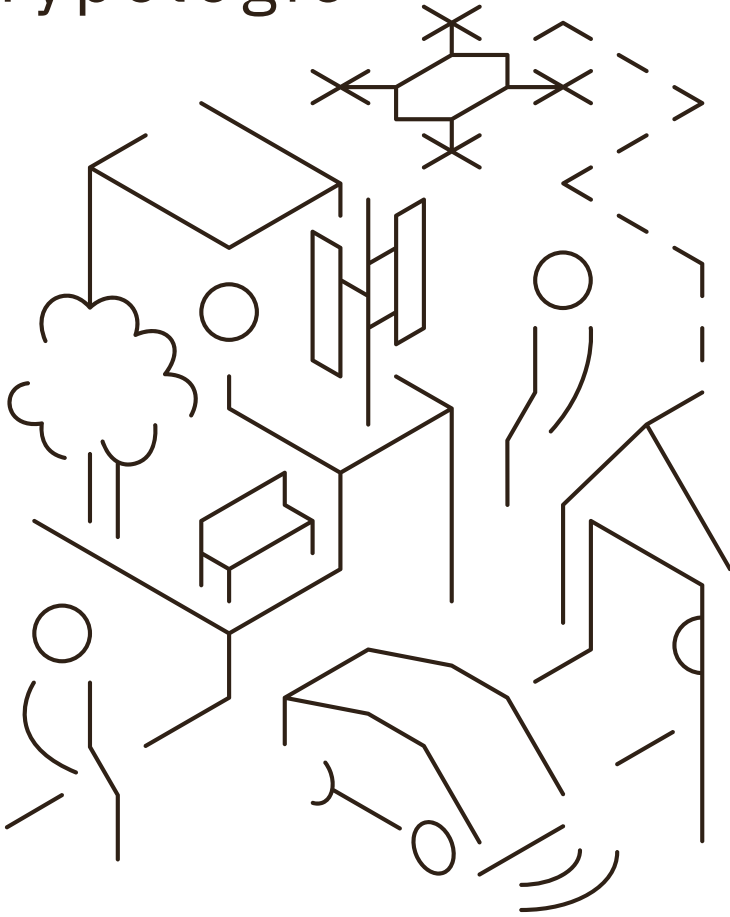


reVize //// Typologie



Cities for AI, Cities for People?

Coffee and Registration 13.30–14.00

Conference Opening 14.00–14.10

Michal Kohout /Head of the Department of Building Theory, FA CTU/

Petr Návrat /Coordinator of the new Master's Programme
Plánování a development, FA CTU/

Block 1: How will AI change the way we live,
work and move in cities and city regions? 14.10–15.00

This opening block focuses on the broader impacts of artificial intelligence on the functioning of cities and metropolitan regions. The discussion will address how the adoption of AI-based technologies may influence the organisation of urban space, emerging building typologies, the operation of services, and shifts in demand for different types of real estate. What is the expected pace of the AI revolution? Which aspects of urban life will be transformed? How should planning and real estate respond?

Michal Pěchouček /Rector of CTU, Founder of the Artificial
Intelligence Centre at CTU/

→ How will artificial intelligence impact
our lives and the built environment?

Federico Cugurullo /Associate Professor, National University
of Singapore, Trinity College, Dublin/

→ Vectors of AI Urbanism

Federico Cugurullo will discuss the connections between AI and the city, the emergence of a new urbanism, an AI urbanism, that originates from smart urbanism but also departs from it along three main vectors, namely function, presence and agency. These vectors show what AI does and the spaces where it operates. They indicate the directions along which AI is reshaping urban society, urban infrastructure and urban governance, leading cities towards unknown urban futures whose sustainability is at risk.

Panel Discussion — Additional Participants:

Vladan Klement	/Philosopher, FA CTU/
Mark Michaeli	/Professor and Chair of Sustainable Urban and Rural Development, TU Munich/
Marcel Kolesár	/Transaction Manager, RSJ Investments/

Block 2: Data-driven mobility – autonomy, logistics and the transformation of streets 15.00–15.50

The second block will examine the impact of autonomous transport, micromobility, robotic logistics and the potential rise of drone services on urban planning and urban design. We will discuss if street space needs to be redesigned, what modal-split scenarios may emerge, and how infrastructure requirements are likely to evolve.

Nico Larco	/Professor and Director of the Urbanism Next Centre, University of Oregon/ → Truthing: Understanding the Impacts of AVs and Emerging Transportation Tech in Cities Professor Larco will walk through the truth and hype surrounding autonomous vehicles and new mobility to offer an evidence-based view of what is happening in cities and the futures we should be preparing for. Drawing on his research into how technologies such as shared mobility, self-driving cars, and e-commerce are reshaping city form and development, he will challenge designers and planners to move beyond optimistic projections and confront the complex, uneven ways these technologies are truly transforming urban life.
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Václav Novotný	/Head of the Office of Transport Infrastructure, IPR Prague/
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→ Is Prague ready for autonomous mobility?

Jakub Kraus	/Head of the Air Transport Department, TSF CTU/
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→ Will autonomous drones fly in Czech cities?

Panel Discussion — Additional Participants:

Kees Christiaanse /Architect, Urban Designer, FA CTU;
Professor Emeritus, ETH Zurich/

Jakub Vorel /Head of the Department of Spatial Planning, FA CTU/

Coffee Break 15.50–16.10

Block 3: Work and housing in the AI era –
need for new building typologies? 16.10–17.00

Third block will explore how digital transformation and new work patterns (remote, hybrid, flexible modes) are reshaping demand for offices, housing and mixed-use programmes. The discussion will address micro-apartments, flexible offices, adaptive building conversions and the resilience of real-estate portfolios.

Panel Discussion

Mark Michaeli /Professor and Chair of Sustainable
Urban and Rural Development, TU Munich/

Federico Cugurullo /Associate Professor, National University
of Singapore, Trinity College, Dublin/

Nico Larco /Professor and Director of the Urbanism
Next Centre, University of Oregon/

Tomáš Sobota /Business Development Manager, Penta Real Estate/

Research Presentations

Michaela Kloudová /Architect and PhD Student, FA CTU/

- Conversion of Office Buildings into Residential in Prague: Application of the Conversion Meter Method

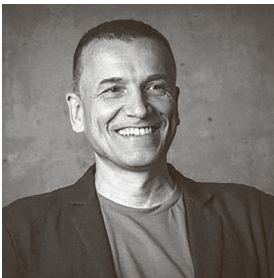
Kateřina Kovářiková /Data & BI Architect and PhD Student, FA CTU/

- Beyond the Built Environment: AI's Transformative Role in Urban Governance and Development

Conference Speakers

Michal Kohout

/Conference Chair. Head of the Department of Building Theory, Faculty of Architecture, Czech Technical University in Prague/



Conference Chair. Architect, educator, and theorist. He is a professor and head of the Department of Building Theory at the Faculty of Architecture at the Czech Technical University in Prague (CTU), where he also leads a studio focused on architectural design. He is the author and co-author of dozens of projects, many of which have been realized and some of which have received numerous Czech national and international awards and have been exhibited in showcases of Czech and international architecture. He is a certified member of the Czech Chamber of Architects and co-founder of the architectural studio UNIT architekti, the Center for Housing Quality Research, and the publishing house Zlatý řez. As an author and editor, he has published a number of books and articles on modern Czech architecture, as well as works on housing and the theory of the built environment. He leads several research projects and is an expert in both public and professional housing policy.

Petr Návrat

/Coordinator of the new
Master's Programme
Plánování a development,
Faculty of Architecture, Czech
Technical University in Prague/



Petr Návrat, MRTPI, is an urban planner and economist, founder of ONplan and coordinator of the master's programme Plánování a development (MSc in Integrated Urban Development) at FA CTU in Prague. Between 2015 and 2022 he taught and coordinated courses in urban regeneration, urban design and spatial planning at the Architecture Institute Prague. He founded ONplan in 2014 as a Prague-based planning consultancy. He co-authored the handbook Sustainable Neighbourhoods for the 21st Century. From 2013 to 2016, he worked at the Prague Institute of Planning and Development, contributing to the city's strategic plan, establishing the Office of Public Participation and preparing the Public Participation Manual. He previously worked in Sri Lanka with GIZ on local planning reform and on projects in Cuba, the Philippines, Cambodia, and Nepal. He studied at The Bartlett School of Planning, UCL and the University of Economics in Prague.

Block 1

Michal Pěchouček

/Rector of Czech Technical
University in Prague,
Founder of the Artificial
Intelligence Centre at CTU/



Michal Pěchouček is the Rector of the Czech Technical University in Prague (CTU). In 2000, he founded the Artificial Intelligence Center at the Faculty of Electrical Engineering at CTU, which he continues to lead to this day. He gained international academic experience in California, Canada, and the United Kingdom. He has been a member of the top management of several major multinational technology companies and also has experience in technology transfer, founding start-ups, and working as an investor. He has a high citation count (h-index 41 on Google Scholar) and is also a philanthropist; among other activities, he supports the educational program "One World in Schools" run by People in Need. In 2023, he received the Karel Kramář Medal, awarded by the Prime Minister for lifetime achievements in research and science.

Federico Cugurullo

/Associate Professor, National University of Singapore, Trinity College, Dublin/



Federico Cugurullo is Associate Professor in Urban Geography at the National University of Singapore. He is also Associate Professor in Smart and Sustainable Urbanism at Trinity College Dublin. His research combines geography and philosophy to shed light on the evolution of cities, focusing on the ideologies that drive urbanization, such as sustainability and smartness, and on the spaces that they eventually produce. During the past decade, Federico has operated interdisciplinary at the intersection of urban geography and philosophy of technology, to theorize artificial intelligence (AI) from an urbanistic perspective and investigate its impact on cities. In so doing, he has developed the concept of urban AI, and conducted extensive empirical research, particularly in the Middle East and Asia, to analyze how AI is changing the nature of the contemporary city. His theories include explanations about the emergence of a post-smart city trajectory leading to AI urbanism, and a disquisition on the eclipse of reason in the age of AI. His empirical studies comprise detailed analyses of the use of urban AI as it affects urban sustainability. Federico is the author of *Frankenstein Urbanism* (Routledge 2021), and a co-editor of *Artificial Intelligence and the City* (Routledge 2023).

Vladan Klement

/Philosopher, Faculty of
Architecture, Czech Technical
University in Prague/



Vladan Klement, Ph.D., is a philosopher of the city based at the Faculty of Architecture of the Czech Technical University in Prague. His research focuses on the political and ethical dimensions of (contemporary) urbanism. In both teaching and research, he focuses, among other things, on a critical reflection of the phenomenon of smart cities, surveillance, and the concept of so-called algorithmic governmentality. He critically examines how digital technologies, data, and algorithms shape public space and social reality. His work bridges philosophy with architectural and technological development. He conducts his international research within the global Philosophy of the City Research Group and through international research projects across Europe and North Africa. In Block 1 of the Revising Typology conference, he primarily brings a critical perspective: he demonstrates that every new typological or technological layer of the city represents, above all, a political and ethical instrument of power.

Mark Michaeli

/Professor and Chair
of Sustainable Urban
and Rural Development,
TU Munich/



Mark Michaeli is Professor for Sustainable Urbanism at the School of Engineering and Design at TUM, Technical University of Munich. Since graduating from ETH Zurich with a degree in Architecture, he has focused on research and teaching on sustainable urbanisation and transformation strategies, as well as on designs for metropolitan peripheries, periurban zones, and rural areas. He has contributed to and been involved with the foundation of numerous research networks and programmes, including SEC Future Cities Lab Singapore, EIT Climate-KIC, horizon2020 and the DFG-sponsored Urban Green Infrastructure Doctoral programme, as well as the Urban Age and Open City research projects. Until 2026 he served as Vice-Dean for Academic and Student Affairs for the TUM-School of Engineering and Design.

Marcel Kolesár

/Transaction Manager,
RSJ Investments/



Marcel has been active in the commercial real estate market for more than 13 years. He has extensive experience in providing valuation and advisory services to banks, real estate funds, investors, developers, and property owners in the Czech Republic and Slovakia. He began his career in the real estate sector in 2005 as a researcher at CBRE, and in 2007 he moved to the valuation department. He joined Colliers International in October 2014 and currently serves there as Head of Valuation and Advisory. He holds a Bachelor's degree in Finance from University of Economics, Prague and an MSc in Real Estate Investment and Management from Sheffield Hallam University and Nottingham Trent University in the United Kingdom. Since 2008, he has been a member of the Royal Institution of Chartered Surveyors (RICS).

Block 2

Nico Larco

/Professor and Director
of Urbanism Next Centre,
University of Oregon/



Nico Larco, AIA, is an urban designer, architect, and Professor of Architecture and Urban Design at the University of Oregon, where he directs the Urbanism Next Center and co-directs the Sustainable Cities Institute. He leads ELEMENT/Urban Design and serves as a Strategic Advisor at the Dutch national think tank, TNO. His research work focuses on sustainable urban design as well as on how emerging technologies, such as shared mobility, AVs, and e-commerce, are reshaping cities. He developed the Sustainable Urban Design Framework and is lead author of the Sustainable Urban Design Handbook. Prof. Larco advises cities on future-proofing strategies, has led various workshops internationally, and has provided testimony to various governmental bodies including the U.S. Congress.

Václav Novotný

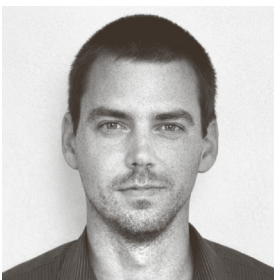
/Head of the Office of Transport Infrastructure, Prague Institute of Planning and Development/



Václav Novotný is a transport planner and head of the Office of Transport Infrastructure at the Prague Institute of Planning and Development, where he focuses on sustainable mobility planning and consultancy, parking strategies and alternative propulsion. He is a former Fulbright Fellow with the Regional Plan Association in New York, licensed transport infrastructure engineer with ČKAIT, a certified road safety auditor, and also teaches a bit at the Faculty of Transportation Sciences of the Czech Technical University in Prague.

Jakub Kraus

/Head of Air Transport Department, Faculty of Transportation Sciences, Czech Technical University in Prague/



Jakub Kraus is an Associate Professor and Head of the Department of Air Transport at the Faculty of Transportation Sciences, Czech Technical University in Prague, where he has long been involved in research and teaching in the field of air transport operations. His expertise focuses primarily on unmanned aerial systems (UAS) and their advanced operations, including their integration into airspace through the development of the U-space concept, as well as strategic analyses of the use of the third dimension for urban transport (Urban Air Mobility). He has been involved in several national and international projects addressing the safe operation of drones, digital identification, detection of GNSS interference, and the implementation of advanced navigation and communication technologies. He serves as the Chairman of the Strategic Forum on Drones in the Czech Republic and actively contributes to the development of national strategies for unmanned aviation.

Kees Christiaanse

/Architect, Urban Designer,
Faculty of Architecture,
Czech Technical University
in Prague; Professor Emeritus,
ETH Zurich/



Studied at TUDelft, partner at OMA-Rotterdam until 1989, founded KCAP in 1989, co-founded ASTOC in 1991. He retired as partner in 2021, since works on his own. He taught at TUDelft and Berlage Institute, became prof of Urban Design at TUBerlin in 1996 and at ETH Zürich in 2003, where he co-led the Future Cities Laboratory in Singapore. He retired in 2018 and now is honorary professor at TUMunich and visiting professor at CVUT Prague. Urban design projects include GWL-quarter in Amsterdam, Wijnhaven quarter in Rotterdam, Hafencity in Hamburg, Olympic Legacy in London and Europaallee in Zürich. Architecture projects include IJplein O3 Amsterdam, K25 the Hague, Holzhafen Hamburg, Red Apple Rotterdam, Watertower Hamburg. Books include Situation-KCAP, Open City, the Noise Landscape, City as Loft, the Grand Projèt, the Potatoe Plan Collection and Textbook Kees Christiaanse. He is president of Swiss Network with Ukraine, which initiates, implements (re-) construction projects in Ukraine.

Jakub Vorel

/Head of the Department
of Spatial Planning, Faculty of
Architecture, Czech Technical
University in Prague/



Urban and spatial planner, lecturer, researcher and consultant in territorial and strategic planning, urban data analytics, geo-informatics and computer modelling of urban and regional development. The expertise in the fields of transport demand modelling, modelling of land-use change, residential mobility, spatial analytics, policy/project impact assessment and spatial econometrics. Head of Department of Spatial Planning at Faculty of Architecture, Czech Technical University in Prague, lecturing in the fields of Urban and Regional Planning, Spatial Analysis and Statistics with ArcGIS, QGIS, R and Python and Smart Cities.

Block 3

Tomáš Sobota

/Business Development
Manager, Penta Real Estate/



Tomáš Sobota works as a Business Development Manager at Penta Real Estate. In addition to acquiring new development opportunities, he is responsible for advancing current projects, including Nová Waltrovka, Nový Veleslavín, and part of the Florenc 21 area. During his professional career, he has also worked at Metrostav Development and completed an internship at The Prague Institute of Planning and Development. He studied Demography and Social Geography at Charles University and also completed an MBA program in Real Estate and Valuation at Prague University of Economics and Business.

Michaela Kloudová

/Architect and PhD Student
at Faculty of Architecture,
Czech Technical University
in Prague/



Michaela Kloudová is an architect and project manager working at the intersection of urban development, design, and public-sector planning. Between 2014 and 2020, she worked at the Office of Projects and Competitions at the Prague Institute of Planning and Development (IPR Praha), where she focused on the organization of architectural competitions, the urban design of public spaces, and methodologies for public procurement based on qualitative criteria. Since 2020, she has been working at the Prague Development Company (PDS), where she coordinates urban development in the Nové Dvory area near a planned metro station. She is also engaged in architectural practice, focusing on urban design and projects for municipalities, often employing research-by-design approaches, as well as on the organization of architectural competitions. Her doctoral research explores the potential for converting office buildings into housing.

Kateřina Kovářiková

/Data & BI Architect
and PhD Student at Faculty of
Architecture, Czech Technical
University in Prague/



Kateřina Kovářiková is the founder of URBIQ, a data studio that creates digital tools for streamlining spatial and strategic planning through interactive and data-driven tools. She is currently a PhD student at the Faculty of Architecture at the CTU in Prague, from which she holds a Master's degree. In her research, she is investigating the role of real-estate development in the implementation of urban strategies. Kateřina is involved in international research network UGoverN focusing on urban governance and also in a faculty research project for The Prague Institute of Planning and Development.

Your Notes

The conference was held under the auspices of the Czech Chamber of Architects and with the financial support of the Czech Technical University in Prague.

Organised: Department of Building Theory, Faculty of Architecture, Czech Technical University in Prague
Conference Chair: Prof. Ing. arch. Michal Kohout
Guarantor of the Conference Edition: Ing. Petr Návrat, MSc.
Date and Venue: 22 April 2026
CAMP, Vyšehradská 51, Prague 2

Organising Committee:

Prof. Ing. arch. Michal Kohout
Ing. Petr Návrat, MSc.
Ing. arch. Jan Tomandl, Ph.D.
Ing. arch. Jana Kubcová, Ph.D.
Ing. arch. Markéta Káňová
Ing. arch. Kateřina Kovářiková
Mgr. Kateřina Novotná

Conference Coordinator:

Ing. arch. Jan Tomandl, Ph.D.

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Master's Programme
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