Architects for Innovation

Public Conference Artificial Intelligence Challenges & Opportunities in Architecture

Thursday 24 November 2022

Maison des Associations

40 rue Washington, Brussels

Web-streamed from the ACE website

#archiAI

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ace-cae.eu

Based on complex computer programs capable of simulating human intelligence traits, such as reasoning and learning, Artificial Intelligence (AI) is expected to become in the coming years a game-changer in many economic sectors, including in the construction and building sectors.

In the field of architecture, a discipline at the crossroads of the arts, technology, economics and social issues, Artificial Intelligence holds as much promise as it does fear. For some, it will offer architects the means to explore new aesthetic frontiers, to work on architectural forms that were previously impossible to achieve, to push further simulations and combinations of scenarios. For others, it entails/ bears/ heralds a risk for the profession to disappear, being downgraded by machines capable of producing plans autonomously.

On 24 November 2022, in Brussels, the Architects' Council of Europe (ACE) is organising a public conference to explore challenges, threats and opportunities raised by Artificial Intelligence in the sector and consider how it could change Architecture and the practice of the architectural profession.

This conference, which is meant to nurture a study commissioned by the ACE on the very same topic, will bring together AI experts, architects and researchers who will:

- Explain how they perceive the AI impact on the practice of the profession;

- Share experiences, good practice and innovative solutions;

- Present their perspectives for the future of the profession;

- Share thoughts on the possible regulation of AI in the architectural sector.

Participation free of charge upon REGISTRATION.

French-English interpretation will be provided
The event will be web-streamed from the ACE website

Agenda

8h45   **Registration and Welcome coffee**

9h00   **Welcome**
Gry HASSELBALCH, Master of Ceremonies
Ruth SCHAGEMANN, Architects' Council of Europe, President

9h10   **Keynote Speech morning**
Julia ANGWIN, The Markup, U.S.A

9h30   **SESSION 1 – Urban Planning : Artificial Intelligence takes on city design and sustainability**
Presentations followed by round-table discussion moderated by the
Master of Ceremony and Q&A with the audience.

Emmanuel DI GIACOMO, EMEA BIM Ecosystem Development Manager
Autodesk France
Ingrid PAOLETTI, Associate Professor of Building Technology at the Architecture,
Built Environment and Construction Department at Politecnico di Milano, Italy
Jiří VITEK, Architect, Uran Studio, Czechia

10h45   **Coffee Break**

11h00   **SESSION 2 – Practice of the profession:**
How could Artificial Intelligence change the practice of the profession?
Presentations by speakers followed by a round-table discussion
moderated by the Master of Ceremony and Q&A with the audience

Matias DEL CAMPO, Director AR2IL - Architecture and Artificial Intelligence
Laboratory at Taubman College of Architecture + Urban Planning,
University of Michigan, U.S.A
Fillipo LODI, Head of Innovation and Knowledge Management, UNSTUDIO
Josef MUSIL, Architect, Foster+Partners, U.K
Pascal TERRACOL, Architect D.P.L.G. Full Prof HDR Doctor in Geography, University
Paris-I Panthéon - Sorbonne, ENSA Paris Val de Seine, France

12h15   **Lunch Break**

13h30   **Keynote afternoon Speech**
Daniel BOLOJAN - Nonstandardstudio, U.S.A

13h50   **SESSION 3 – Creativity and user engagement : What are the current situation and new trends**
Presentations followed by round-table discussion moderated by the Master of Ceremony and Q&A with the audience.

Marjan COLLETTI, Professor of Architecture and Post Digital Practice
The Bartlett School of Architecture Faculty of the Built Environment, U.K
Andrew VAN DE MOERE, Professor in Design Informatics at the Department
 of Architecture at KU Leuven, Belgium
Georg VRACHLIOTIS, Head of Theory of Architecture and Digital Culture
Group - Department of Architecture TU Delft, Netherlands

15h05   **Coffee Break**

15h20   **SESSION 4: Regulation : How to regulate the use of AI in the architectural sector?**
Presentation by **Angela BALDELLOU,** PhD Architect, Director of the
Observatorio2030, Spain

Round-table discussion with:
Emmanuel DI GIACOMO, EMEA BIM Ecosystem Development Manager
Autodesk France
Ilektra PAPADAKI, Architect Engineer. Team leader for construction and
built environment , DG EU Growth, Belgium
Peter Hyttel SØRENSEN, BIM expert, Chair of the ACE BIM Work Group

16h20   **Proposal for an ACE study in 2023 on the impact of AI on the architectural profession**
Pavel MARTINEK, Architects' Council of Europe, Chair of the Practice Commitee

16h25   **Concluding remarks**
Diego ZOPPI, Architects' Council of Europe, Executive Board Member
Ruth SCHAGEMANN, Architects' Council of Europe, President

16h40   **End of the conference**

16h45   **Cocktail**
Kindly offered by the Czech Chamber of Architecture

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Architects' Council of Europe
Conseil des Architectes d'Europe

The Architects' Council of Europe is composed of 44 Member Organisations which are the national regulatory and professional representative bodies in the EU Member States, the accession countries, the UK, Switzerland and Norway. Through its members, ACE represents the interests of over 600,000 architects from 30 countries in Europe.

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Le Conseil des Architectes d'Europe est composé de 44 Organisations Membres qui sont les organismes régulateurs et les représentations professionnelles nationales de tous les pays Membres de l'Union Européenne, des pays en voie d'adhésion, du Royaume-Uni, de la Suisse et de la Norvège. À travers ses membres, le CAE représente les intérêts de plus de 600 000 architectes venant de 30 pays d'Europe.

**Architects' Council of Europe
Conseil des Architectes d'Europe**

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