

AI & Cities 2024 - Digital Double: Situating and Troubling AI Technologies for Architectural Reconstruction and Urban Simulation

Symposium. October 24-25, 2024

Bibliotheca Hertziana - Max Planck Institute for Art History, Rome

Organized by Dr. Julio Paulos (FCL/ETH) and Dr. Darío Negueruela del Castillo (DVS/UZH)

Location: Villino Stroganoff, via Gregoriana 22, 00187 Rome

Thursday 24th

13:45 Arrival to location (coffee)

14:00-14:30 Welcome and Introduction

Talk Nicolo Guariento, FCL, ETHZ

14:30-16:00 Paper presentations. Cluster AI, Climate Change and Urban Growth

- 'Climate-Smart Urban Health Solutions: an ethical reflection' by Joanna Sleight, Shannon Hubbs, Eirini Petrou

- '(AI2) Artificial Intuition & Augmented Intelligence: Informing City Architectonics Complexity with Machine Learning Visualizations over Graz's Latentscapes, in Austria' by Carlos Marchi

- 'Response-Ability in Urban Ecological Governance: Integrating Situated Digital Commons' Erzë Dinarama

16:00-16:15 Pause

16:15-17:45 Paper presentations. Cluster AI and Urban Planning/Design

- 'Metabolic AI' by Nour Alkhaja

- 'Urban engineering in the wake of AI: a case for liveability' by Dr. M Cavada

- 'Exploring the Duality of Digital Doubles in Urban Design and Pedagogy' by Dr. Asma Mehan

17:45-18:15 Visit to the Bibliotheca Hertziana

20:00 Dinner

Friday 25th

08:30-09:30 Welcome back

Talk Miro Roman "What if Words Were Alive?" (online)

09:30-11:15 Paper presentations. Cluster Digital Representation and Urban Simulation.

- 'Meta-Urban Imaginaries - Exploring and Shaping Architectural Narrative in Immersive Post-Internet Realities' by Ian Nazareth and Ebbe Vandenberghe
- "'What If" Infrastructure: Critically Understanding Digital Twins and the Geographies of Delegation in Transportation Networks' by Harrison Smith
- 'Using objective data to plan a space: the challenges of the SPACIOUS project' by Marie-Alix Molinié-Andlauer et al.
- 'Prompts & Provenance: Decoding Digital Geographies - AI's Interpretation and Our Exploration of Global Localities' by Judd Smith & Virginia Zangs

11:15-11:30 Pause

11:30-12:50 Paper presentations: Cluster Social and Ethical Implications of AI in Urban Spaces

- 'The Crowd and Its Double' by Simon Terrill
- 'The Arrogation' by Judith Igelsböck
- 'Playing with Digital Doubles: The Ambivalence of Spatial Practices in the Age of Digital Simulation' by Tyler Reigeluth

13:00-14:00 Lunch Break

14:00-14:30 Lecture Matteo Orlandi Arup Italy "AI & Digital for Cities: unveiling the value"

14:30-15:30 Workshop Scenario Play (open)

15:30-15:45 Pause

15:45-17:30 Workshop Round Table (open)

17:45 End of the Symposium