

# NETWORKS, MARKETS & PEOPLE - NMP2024

## THEMATIC SESSIONS - TS

### TS-26

## COGNITIVE URBANISM, URBANITY BETWEEN SCIENCE AND PSYCHOLOGY

*Keywords: Spatial Psychology, Spatial Renovation, Cognitive Smart Cities, Urban Identity, Spatial Creativity.*

Urban environments have no meaning without humans; and humans extend their selves, flourish their values, and utilize these environments. These human-environmental dualistic forces are the core of urbanists' attention for any urban intervention. Urbanity materializes as the infusion of architectural elements with their immediate/broader contexts, let that be natural or manmade. Such infusion may emerge either over unplanned or planned processes. On the other hand, humans are psychological products that employ their senses, memorized experiences, societal norms/practices, psychological capacities, or psychological needs/expectations to cognize, interpret, and interact with the formalized urbanity.

The session is interested in any of these two factors, either individually or their entwined interactions. All the tools needed to enrich that dialogue are appreciated, e.g., theoretical approaches (analytical and philosophically structured thoughts), experimental methods (observed, surveyed, experimented, or documented trials), and computational-AI applications (simulations and representations). Based on that, the session welcomes, but is not limited to, submissions categorizable under any of the following subjects:

- Spatial psychology, e.g., spatial utilization/appropriation, spatial reutilization, spatial reproduction, spatial renovation, spatial experience, creative novelty, and spatial conservation.
- Cognitive urbanism, either on the scale of a human agent, e.g., the world as a phenomenon, or on the scale of the whole city as a cognitive being, e.g., awareness about its elements, optimality, adaptivity, and resilience.
- Urban identity, spatial belonging, and spatial emergence.

### CHAIRS

#### **Mohammed Ezzat - AI4Creativity, Turkey.**

I'm Dr. Mohammed Ezzat. My Ph.D. is about automating design creativity of urbanity. I believe that computation/ AI enriches disclosing different levels of abstractions that may have been alternatively unviable, solely using philosophical tools of analysis. My research focuses on establishing psychologically intelligent machines (AGI, Artificial General Intelligence architectural machines, where scientification and philosophization are unilaterally merged together).

#### **Silvia Covarino - German University, Cairo.**

Silvia Covarino is an architect, urbanist, and educator, who specialized with a Master's in Urban Planning and has a Ph.D. in Rehabilitation and Recovery of settlements from the Sapienza University of Rome. She has held numerous research and teaching positions within the key theme of urban contemporary socio-anthropological urban living, with experience in participatory planning, on issues of the upgrading of settlements in a different context between Europe, Center America, and the Mediterranean area. She has actively participated in seminars and workshops, as a speaker at conferences, and elaborates documents for seminars, some works are published. Silvia is currently Associate Professor at German University in Cairo, in the Architecture and Urban Design Program.