

## **MICHELA LE PIRA**

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**FRIDAY, DECEMBER 13, 2024**

**1:30PM - 2:30PM**

### **TITLE**

Shaping sustainable urban mobility: the role of AHP and decision-support methods in participatory transport planning

### **DESCRIPTION**

The keynote speech will present some applications of AHP in combination with other decision-support methods and tools (e.g. agent-based modelling, the Delphi method, GIS) to support participatory decision-making processes in transport planning.

Transport planning has been traditionally seen as a technocratic process, aimed at analysing the transport system, defining and choosing solutions based on the results of technical analyses. Nowadays, thanks to the sustainable mobility paradigm, the approach has changed towards participatory decision-making processes. However, it is not easy to understand how to engage stakeholders and citizens to find solutions that are technically-sound, while satisfying multiple preferences and expectations. Since transport decisions typically involve multiple criteria of judgments, the rationale behind the speech is to understand how multi-criteria decision-making methods and, in particular, AHP, could be used to support participatory transport planning.

### **BIO**

Michela Le Pira, PhD, is currently a Research fellow/lecturer in Transport Planning at the University of Catania (Italy). As a PhD student, her research focused on public participation in transport planning supported by agent-based modelling and multi-criteria decision methods.

She worked As a Post-doc researcher at University of Roma Tre and focused on participatory decision-support methods for sustainable urban freight transport policy-making. As a research fellow at the University of Catania and guest researcher at TU Delft (Netherlands) and UCD Dublin (Ireland), she investigated new scenarios for both passengers and freight transport. She has co-authored more than 80 indexed papers, and she is Associate Editor of *Research in Transportation Business and Management* (Elsevier) and member of the Editorial Boards of several Journals, like *Research in Transportation Economics* (Elsevier), *Journal of Advanced Transportation* (Hindawi), and *Scientific Reports* (Springer Nature). She is currently the Director of the Studies and Research of AIIT – the Italian Association for Traffic and Transport Engineering.