University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

Informed Design

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Abstract: Designers rely on data in building and urban design processes, as design is a highly complex process, that entails many relationships and interdependencies. Technology is more than ever available for providing designers with real-time data and information about many aspects of our environment, with the potential of being used in design processes to improve our built environment. We take advantage of new and abundant forms of data, sensing technologies, and possibilities for interaction among people, communities and their physical environments. We use these technologies to foster evidence based design, and translate the rich and varied information sources to design support means. This presentation will describe and discuss the current research of the Informed Design Group at SUTD on this subject, and focus on multi-modal data collection, analysis, and information visualization within design and decision support platforms for improving the livability of neighborhoods.

Bio: Bige Tunçer (bige_tuncer@sutd.edu.sg) is an associate professor of design computation at the Architecture and Sustainable Design Pillar of SUTD, where she leads the Informed Design Group. The group's research focuses on data collection, information and knowledge modeling and visualization, for informed architectural and urban design. She currently leads a number of large multi-disciplinary research projects. She received her PhD in Architecture (design informatics) from Delft University of Technology, her MSc in Architecture (computational design) from Carnegie Mellon University, and her BArch from Middle East Technical University. She was an assistant professor at Delft University of Technology, a visiting professor at ETH Zurich, and a visiting scholar at MIT. She is currently a visiting professor at University of Pavia.

Organizer	**Ph.D. Coordinator**
Prof. G. Motta	Prof. P. Di Barba

Seminar in English
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