

Bio:

Bigge Tunçer is the associate head of pillar at the Architecture and Sustainable Design Pillar and an associate professor of design computation at Singapore University of Technology and Design. She is the director of Informed Design Group, whose research focuses on data collection, information and knowledge modeling and visualization, for informed architectural and urban design. She received her PhD from Delft University of Technology, her MSc from Carnegie Mellon University, and her BArch from Middle East Technical University. She was an assistant professor at TU Delft, a visiting professor at ETH Zurich and University of Pavia, and a visiting scholar at MIT.

She leads and participates in various research projects in design computation. Currently, she leads National Science Experiment, a large scale IoT project in which more than 100,000 students in Singapore have used the SENSg device to collect data and investigate STEM related concepts. She also leads Sustainable Urban Living – Livable Places, which investigates multi-source, multi-scale and multi-time data collection on user and usage information of public spaces and develops a design support system, Informed Design Platform, for the adaptive redesign of public spaces. She is also a principal investigator in the Future Cities Laboratory 2 Program of Singapore ETH Center. Her research has been widely published internationally in books, journals, and conference proceedings. She has taught many design computation and design studio courses to undergraduate and graduate students.

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