nanoSeminar Series 2021

Institute for Materials Science

Prof. Xiaoping Xie

Faculty of Architecture, TU Dresden

"Innovation Application Architecture"

Thursday, November 18th 2021
13:00 – 14:00

Normal: Seminar Room 115, Hallwachsstr. 3 (HAL)
Pandemic version: https://tinyurl.com/nanoSeminar-GA

A widespread desire among many stakeholders in our society is to take our technological innovations out of the lab and into commercial applications. To achieve this, there are many jobs to be done. One of the most important is to ensure broad acceptance of the technologies in industry and society so that their applications can receive the greatest boost. In this sense, the innovation application architecture is concepted to design the basic structures of innovation application systems. The innovation application architecture is a metaphor that corresponds to the architecture of a building. It provides the blueprint for the entire innovation application system and defines the tasks that need to be fulfilled to ensure widespread application adoption. The innovation application architecture is designed with a specific sustainable development mission or missions in mind. That mission must be fulfilled without undermining other sustainable development goals. The implementation and structure of the innovation application affect important decision-making in societies, so they must be appropriately designed and built for highest acceptance.

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Xiaoping Xie (born 1980 in Hubei, China) joined the Wissensarchitektur – Laboratory of Knowledge Architecture at the Faculty of Architecture of TU Dresden in February 2020. She is working on a target agreement that will lead her to an apl. professor after positive evaluation.

Her academic training and employment background has prepared her to be a cross-disciplinary and cross-cultural researcher. From 1997 to 2008 she pursued an interdisciplinary and international educational path from civil engineering at China University of Geosciences (Bachelor) in Wuhan, via architecture at Zhejiang University (Master) in Hangzhou to urban development at the TU Munich (Ph.D.) in Munich. After completing the Ph.D. study, she continued her academic career as a research associate and lecturer at the Department of Architecture of TU Darmstadt from 2009 to 2014. Afterwards, she worked as senior scientist at the Leibniz Institute of Ecological Urban and Regional Development in Dresden from 2014 to 2020.

Her current research focuses on exploring the interrelation and interaction of technological advancement and socio-spatial complexity, particularly in the area of social impact assessment of technological innovations, working environment in the digital-urban-era, urbanisation and metropolitanisation, urban and regional shrinkage and comparative study on development patterns of the Global North and the Global South.

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