



Stretchable conductive materials for 3D printed flexible electronics



Professor SUN Hongye
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Venue : Room 1122, William M W Mong Engineering Building, CUHK

Abstract

Dr. Hongye Sun is a tenure-track Junior Professor and Head of the Functional Materials Group at Technische Universität Ilmenau, Germany. Her research focuses on stretchable conductive materials, wearable sensors, additive manufacturing, flexible magnetic materials, and piezoelectric and thermoelectric systems. Before joining TU Ilmenau in 2023, she worked as a product development chemist at Henkel and as a postdoctoral researcher at the Karlsruhe Institute of Technology. She received her PhD in Mechanical Engineering from the Hong Kong University of Science and Technology.

Biography

Weijian Yang is an associate professor at the Department of Electrical and Computer Engineering at the University of California, Davis. He received his undergraduate degree from Peking University and a PhD from the University of California, Berkeley, all in Electrical Engineering. After postdoctoral training in neuroscience at Columbia University, Dr. Yang started his own laboratory at UC Davis in late 2017. His current research aims to develop advanced optical methods and neurotechnologies to interrogate and modulate brain activity, with a goal to understand how neural circuits organize and function and how behaviors emerge from neuronal activity. He is a recipient of the Career Awards at the Scientific Interface from Burroughs Wellcome Fund in 2016, the Early Career Award from National Science Foundation in 2019, and the Science and PINS Prize for Neuromodulation (second prize) from American Association for the Advancement of Science in 2021.

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