

Dr. Binbin Zhou Biography:

Dr. Binbin Zhou is an Associate Professor at the Technical University of Denmark (DTU), where he leads a research team specializing in ultrafast THz air photonics. He received his Ph.D. in Optical Physics from the Institute of Physics, Chinese Academy of Sciences in 2009, with a focus on femtosecond laser technologies. Since moving to Denmark in 2009, he has advanced through the roles of postdoctoral Researcher, Researcher, and Senior Researcher, and was appointed Associate Professor at DTU in 2021.

Prof. Zhou's research focuses on ultrafast terahertz spectroscopy, with emphasis on developing ultra-broadband THz generation and detection techniques, and applying them to study emerging material systems, such as low-dimensional semiconductors, quantum materials, and strongly correlated systems. He has authored over 60 peer-reviewed publications in leading journals, including *Physical Review Letters*, *Nature Photonics*, *Optica*, and *Advanced Materials*. His research has been supported by the Independent Research Fund Denmark, as well as other major Danish funding agencies, including the Novo Nordisk Foundation and the Villum Foundation.