



## **Prof. Mohit Kumar**

Ajou University 206,  
Worldcup-Ro, Yeongtong-Gu Suwon 443-749, Korea  
E-mail: [mohitiopb@ajou.ac.kr](mailto:mohitiopb@ajou.ac.kr)  
Lab Homepage: <http://aeem.ajou.ac.kr>



Dr. Kumar commenced his academic journey in India, earning his Ph.D. degree from the prestigious Institute of Physics (IOP) in Bhubaneswar. Upon completing his doctorate, Dr. Kumar moved overseas to Israel, where he was granted a distinguished PBC Fellowship at the globally recognized Weizmann Institute of Science. During his tenure there until 2017, he worked on atomic force microscopy-based constrictive lithography for nanoelectronics. Following his tenure in Israel, Dr. Kumar moved to the Republic of Korea, joining the Incheon National University as a postdoctoral fellow. He worked until 2019, contributing to the development of highly transparent optoelectronics and memory devices. Currently, Dr. Kumar is serving as an assistant professor at Ajou University in the Republic of Korea. Here, he continues his work on ultrafast memory devices, neuromorphic devices, and optoelectronic devices. His commitment to pushing the boundaries of scientific knowledge, coupled with his dedicated approach to teaching, ensures his students are consistently exposed to the most recent advancements in their field.

**Title:** Local probe force microscopy: a potential tool for material characterization at nanoscale.