

# MUHAMMAD KHALID

PhD | Assistant Professor

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Muhammad Khalid is working as an Assistant Professor with the Department of Electrical and Information Engineering at the Polytechnic University of Bari, Bari (Italy).



- He obtained his MSc and MPhil degrees in Electronics from the Quaid-I-Azam University Islamabad (Pakistan) in 2009 and 2012, respectively. He served as a visiting faculty member at the same department from Feb. 2011 to June 2012.

- In 2016, he completed his PhD in Electromagnetics from the “La Sapienza” University of Rome (Italy).



- He received the **Young Scientist Award** at the prestigious URSI General Assembly and Scientific Symposium held in Beijing (China) in 2014.

- He was awarded a one-year research grant **MIUR-2014** by the Italian Ministry of Education, Research and University in 2014, to investigate the realization of a novel artificial anisotropic material with extreme parameters.

- He achieved the remarkable feat of winning the **Young Scientist Award** for the second time in 2016, at the International Symposium on Electromagnetic Theory held in Espoo (Finland).

- In 2016-2017, he worked as a Research Fellow at the Department of Information Engineering, Electronics and Telecommunications, at the “La Sapienza” University of Rome (Italy).



ISTITUTO ITALIANO  
DI TECNOLOGIA

- He joined the Italian Institute of Technology (IIT) in Lecce (Italy) as a Post-doctoral Researcher from 2017 to 2021, where he worked on the development of novel theoretical tools and efficient simulation techniques to probe optical properties of plasmonic nanostructures. His research work with IIT was featured on the website of the Nature Research journal **Communications Physics**.

- He served as a Post-doctoral Researcher at the National Research Council (CNR) of Italy, where he developed expertise in the fields of nonlinear optics and photonics.



- He also worked as a Post-doctoral Researcher at the Roma Tre University of Rome (Italy). His research activities focused on the reconfigurable electromagnetic metasurfaces for antenna applications.

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