

## DIMEAS SEMINAR

# A STORY ON TOUCH IN ROBOTICS: A SHORT VISIT TO THE ROBOTICS RESEARCH IN IZTECH

## SPEAKER



**M. I. Can Dede**

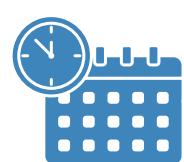
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### Abstract

This presentation covers the technologies developed for physical human-robot interaction in IzTech and their implementation in various industries and applications. These implementations range from robotic surgery systems to surgery simulators and to industrial winch systems.

### BIO

Prof. Dr. M. I. Can Dede graduated from Istanbul Technical University, Middle East Technical University, and Florida International University, earning BSc, MSc, and PhD degrees, respectively. He reintegrated into Turkey by receiving the EU Marie-Curie Fellowship in 2009. He is currently the Chair and Professor of Mechanical Engineering at Izmir Institute of Technology (IzTech). He has been the principal investigator for various international and national projects. He has more than 150 publications, including a book, book chapters, articles, papers, and patents on mechanism design, robotics, teleoperation systems, underwater robotics, and haptics. He has served as an Executive Committee Member of IFToMM in 2016–2019 and 2020 – 2023 terms. He is the director of IzTech Robotics Laboratory and Human-Robot Interaction Laboratory, and co-director of Robotic Manufacturing Laboratory in IzTech. He is currently the principal investigator for the EU-funded TWIN-IT-ROMANS project in which POLITO is a partner.



10 February 2026  
at 11 am



Meeting room, ground floor,  
DIMEAS – Politecnico di Torino