

GEBZE TECHNICAL UNIVERSITY



UNIVERSITY BACKGROUND

- Founded as Gebze Institute of Technology in 1992
 - Became a full University in 2014 and designated as one of the ten **Research** universities in Türkiye in 2017.
 - ~8,000 undergraduate, ~2300 Masters, and ~800 Doctoral students in
 - Faculties include Engineering, Science, Architecture, Business Administration, Aerospace.
 - Institutes of Biotechnology, Nanotechnology, Earth and Marine Sciences Transportation Technologies, **Defence Technologies**, Information Technologies, Energy Technologies
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RESEARCH INTEREST AND EXPERTISE - 1



Dr. Onur H. Karabey



Education

- **2013: PhD**, Technische Universitaet Darmstadt (TUDa), Germany
- **2008: M.Sc.**, Technische Universitaet Darmstadt, Germany
- **2006: B.Sc.**, Middle East Technical University, Türkiye

Experience

- **2024/-:** Anka RF Müh. A.S., Türkiye
Founder and CEO
- **2016/24:** : ALCAN Systems GmbH, Germany
Co-founder and CEO
- **2007/16:** Technische Uni. Darmstadt, Germany
Post-Doc, Team Lead and Scientific Assistant

Research Interest

- **Reconfigurable smart antennas:** Electronic beam steering, polarization agility
 - Antennas for reconfigurable intelligent surface (RIS)
 - Antennas for 5G/6G mmWave fixed wireless access networks, repeater and relays
 - Antennas for mobile backhaul
 - Antennas for wearable and internet-of-things applications

RESEARCH INTEREST AND EXPERTISE - 2



Dr. Saliha Buyukcorak Edibali



Education

- **2019: PhD**, Istanbul Technical University, Türkiye
- **2014: M.Sc.**, Istanbul Technical University, Türkiye
- **2011: B.S.**, Istanbul Technical University, Türkiye

Experience

- **2020/-:** Gebze Technical University, Türkiye; Assistant Professor
- **2010/2020:** Wireless Communication Research Laboratory, Istanbul Technical University; Researcher
- **2019:** Communication, Signal Processing and Networking Center ([CoSiNC](#)), Istanbul Medipol University; Postdoctoral Researcher
- **2017/2018:** University of Ottawa, Canada; Visiting Researcher

Research Interest

- **Physical layer/signal processing** techniques for:
 - Simultaneous wireless information and power transfer (SWIPT)
 - Wireless (secure) localization systems
 - Multi-user/antenna systems
 - Non-terrestrial networks (NTNs)

RESEARCH INTEREST AND EXPERTISE - 3



Dr. Muhammad Sohaib J. Solaija



Education

- **2023: PhD**, Istanbul Medipol University, Türkiye
- **2017: M.S.**, National University of Science and Technology, Pakistan
- **2014: B.E.**, National University of Science and Technology, Pakistan

Experience

- **2023/-:** Gebze Technical University, Türkiye; Assistant Professor
- **2018/24:** : Communication, Signal Processing and Networking Center (CoSiNC), Istanbul Medipol University; Research Assistant, Teaching Assistant

Research Interest

- **Physical layer/signal processing** techniques for:
 - Physical layer security (PLS)
 - Non-terrestrial networks (NTNs)
 - Mobility management/alternative (L1) handover techniques
 - Multiple accessing and coordinated multipoint (CoMP) approaches

TARGETED CALLS AND OTHER INFO

Calls of Interest

- System Architecture
- Wireless Communication Technologies and Signal Processing
- Communication Infrastructure Technologies and Devices
- Reliable Services and Smart Security

Targeted TRLs: Generally, 4. Up to 5 (depending on application/use case)

University Support/Experience

- Dedicated International Projects Office.
 - Engaged in FP6, FP7, Horizon 2020, Horizon Europe and NATO projects. 8 EU, 3 NATO and ~500 national projects.
 - ~100 Erasmus+ agreements with EU universities.
- Located in Türkiye's industrial hub. Active collaboration with local industry.



Thank you for your attention



Contact us!

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