



Fadel Digham

PhD

NTRA, Egypt

Chairman of “Digital Transformation” Study Group, ITU-D, UN

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Dr. Fadel Digham received his PhD in Telecommunications from the University of Minnesota, Twin Cities, USA and both B.Sc. and M.Sc. from Cairo University, Egypt.

Dr. Fadel Digham enjoys diverse expertise across academia, industry, as well as policy & regulation at both national and international levels:

Internationally:

- Recipient of the 2021 **IEEE Communication Society Award for Advances in Communications** (best research impact over 15 years worldwide).
- **Chairman of the “digital transformation” study group**, Development Sector, International Telecommunication Union (ITU), UN (first term: 2022-2025)
- Rapporteur of the “Smart Cities and Communities” sub-group at the Development Sector of ITU, UN (2018-2021).
- Co-chairman of the joint group on spectrum management for developing countries, ITU, UN (2013-2017)
- Co-founded the IEEE global conference on AI and IoT (GCAIoT) started in 2017
- Member of the *Regulatory Advisory Committee (RAC) of the wireless innovation forum* (2009-2011) representing Africa and Middle East

- Board member of the *Industry Advisory Board for the IEEE Wireless Communications Engineering Technology (WCET) certificate program* (2009-2011).

Nationally:

- Directed different units at the National Telecom Regulatory Authority (**NTRA**) of Egypt (R&D, National Projects, Technical Office, Societal Interaction)
- Co-founder and **Chairman of the Egypt IoT forum** (<http://iot-egypt.com/>)
- Member of the national committee for **smart cities planning** (New Administrative Capital, New Alameen,...) (2017-present)
- Permanent Member of the National Committee for **issuing Telecom and Smart Cities codes** in Egypt (2019-present)
- Board Member, Silicon-Waha company, Egypt (2022-present)
- Initiated a national project for qualifying technicians to work on fiber network installation and maintenance to fulfill the market demand
- Launched the R&D program at the NTRA to bridge the gap between industry trends, state interests, and academic expertise (supervised 30+ project)
- Co-founded and partnered in innovation and skills development programs: Underwater ROV, Minesweeper, and Micro-mouse competitions, IoT hackathons, IEEE events (Egypt Engineering Day, Upper Egypt in Action (launched 2015), Port Said Engineering Day)
- Participated in the installation of the first mobile network in Egypt
- Member of the Industry Advisory Board (IAB), Electronics and Communications Engineering, American University in Cairo (AUC), Egypt (2019-present)
- Member of the External Advisory Board (EAB), College of Engineering and Computer Science, Alameen International University (AIU), Egypt (2024-present)
- Developing and Teaching a specialized course on Techno-policies of Telecom for senior students, Cairo University, (2012-present)
- Adjunct Professor at Nile University (2012-present)