

Fadel Digham, PhD

Chief Expert, 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 and achievements across academia, industry, as well as policy & regulation at both national and international levels:

At the International level:

- 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 **“Smart Cities and Communities”**, ITU-D, UN (2018-2021).
- Co-chairman of the ITU-D ITU-R joint group on **spectrum management for developing countries**, ITU, UN (2013-2017)
- Chairman, Smart Cities group, Arab Digital Platform for Sustainable Development, The Arab League (2024-now)
- 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).
- Recipient of the **best paper award**, International Information Telecommunication Society, Aswan, Egypt, 2019
- Recipient of the **best paper award**, IEEE 8th Annual Ubiquitous Computing, Electronics and Mobile Communications Conference (UEMCON), USA, 2017
- Postdoctoral Researcher, University of Minnesota, Twin Cities, USA (2005-2006)
- Inventor of a **Patent** on wireless communication transmission, Mitsubishi Electric Research Labs, Cambridge, MA, USA (2003)

At the National level:

- Chief Expert, National Telecom Regulatory Authority of Egypt (2024-present).
Prior to that, headed different units: Societal Interaction Sector, Technical Office Sector, National Projects Sector and R&D Department.
- Counselor for implementing the national AI strategy, Ministry of Communications and Information technology (MCIT) (2025-present)
- Member of the National Committee for **Spectrum Management** (2024-present)
- 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)
- Co-founder and ***Chairman of the Egypt IoT forum*** (<http://iot-egypt.com/>)
- 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)
- Board Member, Silicon-Waha company, Egypt (2022-present)
- Vice President, Board of Trustees, Sheikh Zayed City, Egypt (2022-present)
- Member of the External Advisory Board (EAB), College of Engineering and Computer Science, Alameen International University (AIU), Egypt (2024-present)
- Member of the Board of Trustees, High Tech Center, *Faculty of Engineering, Cairo University* (2024-present)
- Member of the Industry Advisory Board (IAB), Electronics and Communications Engineering, American University in Cairo (AUC), Egypt (2019-2020)
- 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)
- Participated in the installation of the first mobile network in Egypt (Alcatel, 1996-2000)