

DR. MOHAMMAD ABDUL MATIN [MTN]

Professor & Chair

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Biography

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Dr. Mohammad A Matin is a Professor of the Department of Electrical and Computer Engineering at North South University (NSU), where he has been since 2008. He was first appointed as Assistant Professor and then promoted to Associate Professor at North South University in 2011 and later on Professor. While in that post he was also the coordinator of EEE program. During 2012-2017, he was an Associate Professor at Universiti Teknologi Brunei (UTB), Brunei Darussalam (QS World University ranking 379). He received his B.Sc. degree in Electrical and Electronic Engineering from BUET (Bangladesh), his M.Sc. degree in Digital Communication from Loughborough University, UK and PhD in Wireless Communication from Newcastle University, UK. He has also taught several courses in communications, electronics and signal processing at KUET, Khulna University, BRAC University, and UKM (top ranked uni. In Malaysia), UM (top ranked Univ. in Malaysia) at Masters and undergraduate

level as well engaged himself with Masters theses and projects during his career.

He has published over 150 peer-reviewed journals and conference papers as a sole author and with the students of NSU and other universities. All of these papers are indexed in major database like Scopus, ISI Web of Science, and Google Scholar. His published works have been gained a good number of citations from Google Scholar and Scopus. Dr. Matin is the author/editor of 17 (seventeen) academic books such as *A Glimpse Beyond 5G in Wireless Networks* (Springer 2022), *Wideband, Multiband and Smart Antenna Systems* (Springer, 2021), *Towards Cognitive IoT Networks* (Springer, 2020), *Communication Systems for Electrical Engineers* (Springer, 2018), *Spectrum Access and Management for Cognitive Radio Networks* (Springer, 2016), *Coding for MIMO-OFDM in Future Wireless Systems* (Springer, 2015), *Advances in Sensor Networks Research* (Nova publisher, USA, 2014) and 21 (twenty one) book chapters.

Dr. Matin has presented invited talks in Bangladesh and Malaysia and has served as a member of the technical program committee for more than 50 international conferences, keynote speakers, session chairs, Ms and PhD external examiner, external evaluator of research grant, external assessor of promotion committee. He is on the editorial board of several international journals such as *IEEE Communications Magazine*, *IEEE, USA*, *IET Wireless Sensor Systems (IET-WSS)*, and so on. Dr. Matin is a member of the IEEE, IEEE Communications Society (IEEE ComSoc), and several other international organizations. He served as a counselor of IEEE North South University (2008–2011), and secretary of the IEEE Communication Society, Bangladesh Chapter (2010–2011). He has received a number of prizes and scholarships including the Best student prize (Loughborough University), Commonwealth Scholarship, and Overseas Research Scholarship (ORS) conferred by the Committee of Vice Chancellors and Principals (CVCP) in the UK. He has been fortunate enough to work in WFS Project with Wireless Fibre Systems Ltd, UK as an expert. His current research interests include UWB communication, wireless sensor networks, cognitive radio, EM modeling, and antenna engineering.

Research Areas

Research Interests

Teaching

- RF, Microwave and Communication Technology
- Broadband Access and Communication

Technologies

- Distributed wireless access, scheduling, and power control
- MIMO-OFDM
- Network coding
- Wideband, multiband and smart antennas for wireless applications
- Spectrum sensing techniques, power and admission control
- Spectrum management
- Cooperative and clustering distributed sensors
- Sensor applications
- EEE 533 Digital Communications
- EEE 534 Mobile and Wireless Communications
- EEE 535 Satellite Communications
- ETE 423/EEE 423 Principles of Telecommunication

Network

- ETE 501 Electronics and Telecommunications

Systems

- EEE 141 Electrical Circuits I
- EEE 111/ ETE 111 Analog Electronics-I

Professional Activity

- Series Editor, IEEE Communications Magazine, IEEE

USA

- Editor, IET Wireless Sensor Systems, IET UK
- External Examiner for Masters and PhDs
- External Evaluator for Research funding
- External Assessor for Academic Promotion
- TPC member of more than 50 international

conferences such as IEEE Globecom, IEEE ICC etc.