

DR. TANZILUR RAHMAN

Associate Professor

(On Leave)

PhD

MSc.

:

:

University

University

BSc. : North South University, Bangladesh

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Biography

of

Of

Tokyo,

Sheffield,

Japan

UK

Tanzilur Rahman is currently employed as an Associate Professor in the Department of Electrical and Computer Science and Engineering at North South University. He served as an Assistant Professor for a year in the Department of Computer Science and Engineering of Ahsanullah University of Science and Technology (AUST). He received his BSc. Degree in Computer Engineering from North South University, Bangladesh, MSc. in Electronic Engineering from the University of Sheffield, UK and PhD in Bioengineering from the University of Tokyo. He is the principal investigator of TnR Lab established in 2017 to create the opportunity and environment for Biomedical Research at North South University. He is a former Fellow of MEXT (Ministry of Education, Culture, Sports, Science and

Technology), JASSO (Japan Student Services Organization), ISRF (Indian Science & Research Fellowship), Visiting Researcher of iCONM (Innovation Centre of Nano Medicine), Tokyo and Biosensors Lab, IIT Madras.

#### Research Areas

- Embedded Systems and Internet of Things (IoT)
- Modeling and Simulation
- Semiconductor Device and Technology
- Signals and Image Processing

#### Research Interests

1. Portable analytical device for disease diagnosis
2. Biomedical Signal Processing
3. Biomedical Device Design
4. Electrochemical sensors

#### Teaching

- CSE 231 Digital Logic design
- CSE 231L Digital Logic design Lab
- CSE 332 Computer Organization and Architecture
- CSE 331 Microprocessor Interfacing & Embedded System
- CSE 331L Microprocessor Interfacing & Embedded System Lab
- CSE499A/EEE499A/ETE499A – Senior Design I
- CSE499B/EEE499B/ETE499B – Senior Design II
- CSE 496 Special Topics

#### Research Projects & Grants

#### AWARDS:

- Indian Science & Research Fellowship (ISRF) 2019
- Japan Student Services Organization (JASSO) Research Fellowship 2017
- Japanese Government (Monbukagakusho) Scholarship, 2012 for studying a PhD
- Secured 2nd place in Japanese Government Scholarship Examination 2012
- Selected as British Council sponsored delegate by British Council, Bangladesh for

attending UK Alumni Regional Event, Dubai, 2012

- Junior Government Scholarship 1997
- Japan “PARIBAR” Scholarship 1996: A Japanese organizational scholarship awarded to the selected Bangladeshi students.

#### Professional Activity

2016 – Present Assistant Professor Department of ECE, North South University, Dhaka

2015- 2016 Assistant Professor Department of CSE, Ahsanullah University of Science and Technology

2010- 2015 Lecturer (on study leave since 2012) Department of CSE, Premier University, Chittagong

#### POSITION HELD

Program Coordinator, CSE (2018) Department of ECE, North South University, Dhaka

Lab Coordinator (2017-2018) Department of ECE, North South University, Dhaka

Visiting Researcher Ichiki Lab, iCONM, Tokyo

Associate Editor in The International Journal of Technology, Knowledge and Society, Vol.6, 7 2010.

Representative of CSE Department, Lab Equipments Purchase Committee – 2011, Premier University, Chittagong

Member, Syllabus Moderation Committee – 2011-2012, Premier University, Chittagong

Moderator, Premier University Debating Club (2011-2012), Premier University, Chittagong

Coach, Premier University Football Team (2012), Premier University, Chittagong

Coordinating Member Math Olympiad 2011- Chittagong Region, organized by Bangladesh Academy of Science

#### MEMBERSHIP

- The Japan Society of Applied Physics Membership No: 0085913
- The Materials Research Society Japan Membership No: 4717
- IEEE Membership No: 80740755.
- Member of IEEE Communication Society
- Sheffield Alumni Membership No: 162117
- IAENG (International Association of Engineers) Membership No: 105664.