

Biography:



S. M. Mahbubur Rahman received the B.Sc. and M.Sc. degrees in electrical and electronic engineering (EEE) from the Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh, and the Ph.D. degree from the Department of Electrical and Computer Engineering, Concordia University, Montreal, QC, Canada. Dr. Rahman has over 22 years of teaching, research, and university-related administrative experience to his credit. He started his career as a Lecturer in the Department of EEE, BUET in 1999. Subsequently, he served as an Assistant Professor from 2002 until 2011, as an Associate

Professor from 2011 until 2014, and since then as a Professor in the Department of EEE, BUET. He has been the Registrar (Add. Charge), Office of the Registrar, BUET from May 2018 to Aug 2020. In 2017, he was the founding Head and Professor of the Department of EEE in the University of Liberal Arts Bangladesh, Dhaka, Bangladesh. He was tenured in the University of Toronto, ON, Canada as an NSERC (Natural Sciences and Engineering Research Council) Postdoctoral Fellow in 2012. His research interests are in the areas of statistical signal processing, deep learning, biometric security system, intelligent transportation system, cognitive science, stereo vision, virtual reality, biomedical visualization, human computer interaction, video surveillance, and communication systems.

Dr. Rahman has a strong record of research in his area that includes contributions to more than 60 publications in top-rank refereed journals, book chapters, and proceedings of international conferences. As per the Google Scholar and Research Gate, his current citation count is 950+, h-index is 15+, i10-index is 16+, and RIS score is 480+. Among his publications, one book is published in Springer Nature, 23 papers appear in the reputed SCI-indexed or equivalent journals in his area such as IEEE Transactions on Image Processing, IEEE Transactions on Circuits and Systems for Video Technology, IEEE Transactions on Intelligent Transportation Systems, IEEE Transactions on Circuits and Systems-I, and the journals of Elsevier (Pattern Recognition, Pattern Recognition Letters Expert Systems with Applications, Signal Processing, Signal Processing: Image Communication, Journal of Visual communication and Image Representation, Virtual Reality & Intelligent Hardware), IET (Image Processing, Cognitive Computation and Systems), and Springer Nature. His research articles have been published in one book and proceedings of over 34 peer reviewed international conferences held in North America, Europe, Australia, and Asia. He has been associated with more than 25 international conferences in different capacities such as coordinator, convener, member of technical and organizing committees, session chair, reviewer, and presenter. He received several prestigious international awards including the Late Sydney R. Parker Best Paper Award in Signal Processing and M. N. S. Swamy Best Paper Award from Journal of Circuits, Systems and Signal Processing (CSSP), Springer in 2015, Post-Doctoral Fellowship Award from NSERC of Canada in 2009, Distinguished Doctoral Dissertation Award from Concordia University in 2009.

Throughout his academic career, he has received several prestigious awards at international conferences such as the Best Paper Awards in ICCIT 2016, Dhaka, ISI-RSC 2014, Malaysia and CSNDSP 2002, UK. The papers, which are co-authored by him, have also received travel grants through competition including those in 2018 IEEE ICSMC, Japan and 2017 ICTCS, Jordan. He has also been invited to deliver technical talks, seminars, tutorials, and lectures in internationally reputed scholastic gatherings both at home and abroad. Currently, he is an Associate Editor of CSSP, Springer Nature.

Dr. Rahman has also been involved in various kinds of support services for the Government of People's Republic of Bangladesh. A few of the notable current and previous positions are given below:

- **Board Member**, Bangladesh Data Center Company Limited at Bangabandhu Hi-Tech City, Kaliakoir, Gazipur, ICT Division, Ministry of Posts, Telecommunications and Information Technology, Government of Bangladesh (GoB), Bangladesh (Jun 2020 – to date).
- **Chairman**, Provisional Acceptance Committee (PAC) & Internet Data Center (IDC) Committee and **Member**, Top Supervision Committee of Tier IV National Data Center at Bangabandhu Hi-Tech City, Kaliakoir, Gazipur, implemented by ICT Division of GoB through ZTE Corporation of People's Republic of China (Budget of Project: 194.78 million USD, Duration: Jan 2015 –Jun 2020).
- **Member**, Technical Committee of Bangabandhu Sheikh Mujibur Rahman Novo Theatre, Ministry of Science and Technology, GoB, Bangladesh (Jul 2016 – to date).
- **Project Director** for the grant obtained from Higher Education Quality Enhancement Project (HEQEP) of Ministry of Education, GoB, Bangladesh, for the 'Digitalization of Central Library of BUET' at Bangladesh University of Engineering and Technology (Grant No. CP 2107; Amount: 3,45,53,520 BDT; Extended Amount:77,66,280 BDT; Duration: Apr 2012 – Mar 2016).
- **Member** of Negotiation Committee for establishing five full-pledged centers for the state-owned Bangladesh Television (BTV) under the Ministry of Information and Broadcasting, GoB, with the support of Aerospace Long-March International Co. Ltd. (ALIT) and Radio, TV & Film Design and Research Institute (DRFT) of People's Republic of China (May 2015 – Feb 2016).