PROFESSOR MD ASHIKUR RAHMAN JOARDER

Environment, Health and Safety Expert

Prof Joarder, Professor of Environment and Energy, Department of Architecture, Bangladesh University of Engineering and Technology (BUET), has architecture and teaching background for more than a decade, including research experience on the use of ambient environment monitors and building simulation to improve visual, therapeutic, and safe environments of industrial, commercial and healthcare facilities. His first degree and higher qualifications are: a BArch in Architecture from BUET (2005); an MArch in Lighting from BUET (2007); a PhD in Built Environment from the School of Civil and Building Engineering (2011) funded by Loughborough University, UK; and an advanced research experience on modelling, simulation and visualisation from the School of Civil and Building Engineering, Loughborough University (2012). Prof Joarder joined as a Lecturer at the Department of Architecture, BUET on 2005 and became Professor on 2017. He has also teaching experiences in the Schools of Civil & Building Engineering and Chemical Engineering, Loughborough University, UK (2011-12). He is an Academic Member of Athens Institute for Education and Research (ATINER), belonging to the Architecture Research Unit and the Environment Research Unit; and Member of, Sakura Science Club, Japan.

Prof Joarder has collaborative research and training experience with Loughborough University, UK; University of Maryland, USA; Kyushu University, Japan; University of California, San Diego, USA; Griffith University, Gold Coast, Australia; University of Sydney, Australia and international organisations, e.g. ILO; NFPA, European Union, UNEP, World Bank, DFID (UK AID), BMT Commercial Australia, and GIZ, Germany. He has authored/contributed on three books (2011-2020); published 30 papers in refereed journals and conferences (2007-20), seven articles in national print media (2005-20); contributed in approximately 50 non-referred articles/ review reports and reviewed more than 200 inspection reports in different occasions. He has completed more than hundred Professional Development (PD) trainings (113 sessions totaling 308 hours) from UK (2008-12) on different aspects of professional, research and teaching methodology. Prof Joarder made over 200 high quality presentations on international conferences, seminars, workshops, knowledge transfer events inside and outside Bangladesh (e.g. Japan, South Korea, Netherlands, Greece, Scotland, Singapore, Spain, UK and USA).

Prof Joarder introduced MArch course 'Daylighting' in the Dept. of Architecture, BUET. He also conducts Postgraduate and Undergraduate courses at the Dept. of Architecture, BUET on Design, Graphics, Seminar, Lighting, Fire Safety and Research Methods. He is currently supervising 20 Post-Graduate theses; completed 11 Post-Graduate theses and around 100 undergraduate projects/theses supervisions.

Recently, Prof Joarder successfully completed his work as the Project Manager (SPM: Key person) of the sub-project HEQEP CP. No. 6041 awarded by University Grants Commission (UGC) of Bangladesh, funded by World Bank (USD 250,000). At present he is the Principle Investigator from BUET on Climate Change and Health Award, Wellcome Trust, UK (AUD 879,256); and Project Director, CASR Research Project, funded by BUET (BDT 202,500). Prof Joarder is immediate past Coordinator and present Advisor of Green Architecture Cell (GrACe), Dept. of Architecture, BUET; and a Consultant of Bureau of Research, Testing and Consultation (BRTC), BUET. As an Architect, he was involved in the design of several buildings in Bangladesh (e.g. Design of Mascot Garments and Knitting Industry; and Uniform Design of Sonali Bank) and UK (e.g. Design of forty-bed Care/Nursing Home at Barwell, Leicester; and Extension of Alexandra House, at Huncote, Leicester); and assessment of approximately 450 RMG Factory Buildings in Bangladesh (funded by ILO).

Areas of Interest: Daylighting; Energy Conservation; Energy Efficiency; Renewable Energy; Modelling and Simulation; Evidence Based Design; Green Architecture and Sustainability, Therapeutic and Safe Environment Design, Fire Safety.