

Brief Resume

Abul K. M. Azad, PhD

Professor

SMIEEE, SMISA, MIET, MASEE

Fulbright Scholar

College of Engineering and Engineering Technology,
Northern Illinois University, US.

Email: aazad@niu.edu

Tel: 815-753-0386

www.niu.edu/azad

Education: Ph.D. (1994) in Control and Systems Engineering, University of Sheffield, UK.
M.Sc. (1988) in Applied Physics and Electronics, University of Dhaka, Bangladesh.
B.Sc. (Hons) (1986) in Applied Physics and Electronics, University of Dhaka, Bangladesh.
Engineering diploma (1978) in Electronics, Dhaka Polytechnic Institute, Bangladesh.

Research Interests: Internet of Things (IoT) for Cyberphysical systems, Embedded systems, Mobile robotics, Computer and Real-time control, and Cyberlearning.

Work Profile: Currently working with the College of Engineering & Engineering Technology (Engineering Technology Department), Northern Illinois University, US (various capacities including Associate Dean). Before moving to US worked in UK with the University of Portsmouth and University of Sheffield.

Professional Activities and Leadership: Editorial board member (currently Editor-In-Chief), International Journal of Online Engineering (2009-2022); President of Global Online Laboratory Consortium (2013-current); ABET program evaluator (2005-2012); Associate editor, Journal of Advances in Acoustics and Vibration (2006-current); Editorial review board member, Journal of Engineering (2006-current); European Commission Expert, Fifth and Sixth research framework (2005-current); Member of the Board of Trustees of CLAWAR Association (2006-2015); Board member of CLAWAR Ltd (period 2005-2010); Member of organizing teams for a number of international conferences; National Science Foundation (NSF) proposal reviewer (2005-current); Australian Research Council (2012-current); Department of Defense (DoD) proposal reviewer (2008-current); Executive Board (Chair/Vice Chair/Program Chair) of ASEE Computing and Information Technology Division (2005-2013); and Member of ISO advisory teams for PT-2: Project team of robots in personal care and AG-1: Advisory Group on Service Robots (2007-2013).

Recognition and Honors: Fulbright Fellowship (Fall 2008); Chancellors award for B.Sc. (Hons) (1986); Commonwealth Scholarship, sponsoring PhD program in UK (1989-1993).

Publications: There are around 125 journal and conference papers and 5 edited books.

Research Funding:

Attracted around \$2.6M for several research and development projects in the areas of cyberphysical system (remote laboratory), walking robot for volcanic exploration, bio-robot, energy management, intelligent modeling and control, mechatronics systems, and laboratory development. The major funding sources are NSF, EPSRC (UK), and the European Union. As well as support from companies (Lin Engineering, Yaskawa America, Simplicity Inc., Omron Electronics, and Emona Instruments), and Universities.

Other Interests:

Consulting companies towards technology evaluation for entrepreneurs, as well as advice entrepreneurs for identifying funding agencies for prototyping.