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Biographies

Md Tanzil Shahria received the B.S. degree in Computer Science and Engineering from the North South University, Bangladesh in 2018. He is a Ph.D. student at the BioRobotics Lab, University of Wisconsin-Milwaukee, USA. He has been researching in different learning-based systems since 2019. His work focuses on computer vision, vision-based manipulation, real-time object localization, and robot navigation. He is currently working on developing a vision-based manipulation system for assistive robot using learning-based approach.

Md Ishrak Islam Zarif is currently working as a research assistant under the ubicomp lab of Marquette University as well as the Biorobotics Lab of the University of Wisconsin-Milwaukee. His research interest on telerehabilitation system development. At present, he is pursuing his Ph.D. from the Department of Computer Science at Marquette University, USA. He has a background working in data science, machine learning, IoT, and system development. He completed his undergrad at Khulna University of Engineering & Technology, Bangladesh, in 2018. Mr. Zarif has publications in his research area in different renowned conferences and journals.

Md Samiul Haque Sunny was born in Netrokona, Bangladesh in 1994. He received the B.S. degree in Electrical and Electronic Engineering from the Khulna University of Engineering and Technology in 2017. He is a Ph.D. student at the BioRobotics Lab, University of Wisconsin-Milwaukee, with a background in Artificial Intelligence, digital signal and image processing, data mining, robotics, biological signal processing, human-machine interface design, and power system stability. He is currently working on developing an eye-gaze controlled user interface deployable to Hololnes-2's mixed-reality platform to enable a collaborative work environment for individuals with limited upper limb movement, EEG signal for better BCI application, and structures of CNN for upgrading its performance in image recognition.

Sheikh Iqbal Ahamed is Professor and Chair at the Department of Computer Science and Director of the UbiComp Research Lab. He received his PhD in Computer Science from the Arizona State University in 2003 under the direction of Dr. Stephen S. Yau. Dr. Ahamed has a strong performance record in research, with a career record of over \$1 million in external research funding. His current projects cover a number of state-of-the-art advances in medical computing and mobile computing. Dr. Ahamed's research work focuses on building customized and innovative patient communication methods through technology, developing new and innovative approaches for health monitoring, pain management, mapping technologies, and activity monitoring for smartphones. He has worked with hospitals in the U.S. and internationally on a number of projects, as well as with leading healthcare companies in the healthcare industry. Dr. Ahamed has worked with a number of engineers, nurses, and physicians on 20 healthcare grants over the past 13 years. Projects included work with cellphones, sensors, tablets, web applications, and HIPAA compliant cloud servers. His experience extends to working with patient populations in American Indian and Hispanic communities.

Mohammad H Rahman is with the Mechanical and Biomedical Engineering Department, University of Wisconsin-Milwaukee, WI, USA. As Director of the BioRobotics Lab at the University of Wisconsin-Milwaukee, he brings the resources and expertise of an interdisciplinary R&D team. For more than 15 years he has been researching bio-mechatronics/bio-robotics with emphasis on the design, development and control of wearable robots to rehabilitate and assist elderly and physically disabled individuals who have lost their upper-limb function or motion due to stroke, cardiovascular disease, trauma, sports injuries, occupational injuries, and spinal cord injuries. He received a BSc Engineering (mechanical) degree from Khulna University of Engineering & Technology, Bangladesh in 2001, a Master of Engineering (bio-robotics) degree from Saga University, Japan in 2005 and a PhD in Engineering (bio-robotics) from École de technologie supérieure (ETS), Université du Québec, Canada in 2012. He worked as a postdoctoral research fellow in the School of Physical & Occupational Therapy, McGill University (2012-2014). His research interests are in bio-robotics, exoskeleton robot, intelligent system and control, mobile robotics, nonlinear control, control using biological signal such as electromyogram signals.