

ISHTIAQUE HOSSAIN

Senior Lecturer & On Leave

MS

from

BS from University of Dhaka

Western

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Biography

University,

Canada

Ishtiaque Hossain completed his Bachelor's degree in Computer Science and Engineering at the University of Dhaka, Bangladesh. He received Master's degree in Computer Science from the Western University, Canada. After graduating, he joined the Department of Electrical and Computer Engineering, North South University, Bangladesh as Lecturer. His research interest encompasses Computer Vision, Medical Imaging, Image Compression and Image Quality Analysis. He is also involved in community services as reviewer for Pattern Recognition, Elsevier.

Research Areas

- Artificial Intelligence & Robotics
- Signals and Image Processing

Research Interests

- Computer Vision
- Medical Imaging
- Image Compression
- Image Quality Analysis

Teaching

- CSE 115 Programming Language I
- CSE 115L Programming Language I Lab
- CSE 225 Data Structures and Algorithms

- CSE 225L Data Structures and Algorithms Lab
- CSE 373 Design and Analysis of Algorithms
- CSE 467 Digital Image Processing

Selected Publications

Journals

- I. Hossain, A. Roberts-South, M. Jog, M. R. El-Sakka, "Semi-automatic Assessment of Hyoid Bone Motion in Digital Videofluoroscopic Images," Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2014

Conference Papers

- S. M. Sarwar, I. Hossain, "A Novel Reduced Reference Image Quality Analysis Metric for JPEG Compressed Images Based on Image Segmentation," International Conference on Informatics, Electronics and Vision (ICIEV), 2013
- I. Hossain, A. Roberts-South, M. Jog, M. R. El-Sakka, "Computer Assisted Quantification of Hyoid Bone Motion in Fluoroscopic Videos," International Conference on Computer Vision Theory and Applications (VISAPP), 2013
- I. Hossain, M. El-Sakka, "Prediction with Partial Match Using Two-dimensional Approximate Contexts," Picture Coding Symposium (PCS), 2012