DR. SHAZZAD HOSAIN [SZZ]

Professor & Dean

PhD in Computer Science from Wayne State University, USA

MSc Eng. in Computer Science and Engineering from BUET, Dhaka, Bangladesh

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Research Areas

▪ Mobile, Wireless and Web Applications Development

▪ Artificial Intelligence & Robotics

▪ Database and Information Systems

▪ Software Engineering

Teaching

▪ CSE 115 Programming Language I

▪ CSE 215 Programming Language II

▪ CSE 327 Software Engineering

▪ CSE 331 Microprocessor Interfacing & Embedded System

▪ CSE 427 Software Quality Assurances & Testing

▪ CSE 482 Internet and Web Technology

▪ CSE499A/EEE499A/ETE499A – Senior Design I

▪ CSE499B/EEE499B/ETE499B – Senior Design II

▪ CSE 513 Advanced Artificial Intelligence

▪ CSE 516 Bioinformatics Computing

▪ CSC 598 Special Topic

Selected Publications

Journals

▪ Syed Akib Anwar Hridoy, Faysal Ahmed and Md. Shazzad Hosain, "Regression Testing

based on Hamming Distance and Code Coverage," International Journal of Computer Applications, 2015

▪ Sukanta Basak and Md. Shazzad Hosain, "Software Testing Process Model from Requirement Analysis to Maintenance," International Journal of Computer Applications, 2014

▪ Md. Safaet Hossain, Md. Shazzad Hosain, "Web Test Integration and Performance Evaluation of E-Commerce Web Sites," International Journal of Computer Science and Information Security, 2012

▪ Md. Shazzad Hosain and Muhammad Abdul Hakim Newton, "Multi-Key Index for Distributed Database System," International Journal of Software Engineering and Knowledge Engineering, 2005

Conference Papers

▪ Mohd. Tahsin Bin Mostafa, Shah Md. Tanzim Alam Choudhury, Md. Shazzad Hosain, "Design and performance Analysis of a Dual Axis Solar Tracker," IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP), Chennai, India, July 04 – 06, 2019

▪ Fahmina Nur Salma, Shazzad Hosain, "Enhancing Mixed Road Traffic Forecasting Method using Vehicle Tracking System in GPS," 2018 International Conference on Computing, Power and Communication Technologies (GUCON), Uttar Pradesh, India, Sep 28 – 29, 2018

▪ 10. M. S. Hossain, Sazzad Hosain, Tanjila Farah, "A Study of Cyber security threats in core banking system of Bangladesh," 7th International Conference on Software and Computing Technologies (ICSCT 2018), 2018

▪ Md. Hasan Mahmood and Md. Shazzad Hosain, "Improving test case prioritization based on practical priority factors," 8th IEEE International Conference on Software Engineering and Service Science (ICSESS), Beijing, China, Nov 24 – 26, 2017

▪ 11. D. Alam, M. Zaman, T. Farah, R. Rahman and M. S. Hosain, "Study of the Dirty Copy on Write, a Linux Kernel memory allocation vulnerability," 2017 International Conference on Consumer Electronics and Devices (ICCED), 2017

▪ Sayed Mahmudul Alam, Nahid Islam and Shazzad Hosain, "Most Central Actors of an

Unknown Network Using Friendship Paradox," International Conference on Informatics and Computing (ICIC 2016), Lombok, Indonesia, Oct 28 – 29, 2016

▪ Shareen Mahmud, Nabila Rezwana Mirza and Md. Shazzad Hosain, "Tapping the Power of Social Network Analysis for One Bank Limited Bangladesh," 3rd European Conference on Social Media Research, Caen, France, Jul 12 – 13, 2016

▪ Shayanton Aurkaw, Rudraneel Chakraborty, Shazzad Hosain, "Autonomous Data Integration Model Using Integra Data Model," International Conference on Materials, Electronics & Information Engineering (ICMEIE-2015), Rajshahi, Bangladesh, June , 2015

▪ Saniat Javid Sohrawardi, Iftekhar Azam, Shazzad Hosain, "A Comparative Study of Text Classification Algorithms on User Submitted Bug Reports," IEEE International Workshop on Data Management (IWDM 2014), Bangkok, Thailand, Sep – Oct , 2014

▪ Bushra Hoq, Samia Jafrin, Shazzad Hosain, "Dependency Cognizant Test Case Prioritization," Conference on Computational Intelligence and Software Engineering (CiSE 2011), Wuhan, China, December , 2011

▪ Nusrat Tanzim, Khandkar M. Rashid, Shazzad Hosain, "Measurement and Prediction of Indoor Signal Propagation for ISM Band," International Conference on Advances in Electrical Engineering (ICAEE 2011), Dhaka, Bangladesh, December, 2011

▪ Ehtesham Choudhury, Mahmud Ridwan, M Abdul Awal, Shazzad Hosain, "A Web-based Land Management System for Bangladesh," 14th International Conference on Computer and Information Technology (ICCIT 2011), Dhaka, Bangladesh, December, 2011

▪ Rudraneel Chakraborty, Faiyaz Ahmed, Shazzad Hosain, "CASM: Coherent Automated Schema Matcher," International Conference on Data Engineering and Internet Technology, Bali, Indonesia, March, 2011

▪ M Sultan Mahmud, Saad Abdullah, Shazzad Hosain, "GWDL: A Graphical Workflow Definition Language for Business Workflows," International Conference on Data Engineering and Internet Technology, Bali, Indonesia, March , 2011

▪ Shazzad Hosain and Hasan Jamil, "An Algebraic Language for Semantic Data Integration on the Hidden Web," 3rd IEEE International Conference on Semantic Computing, Berkeley, California, United States, September, 2009

▪ Shazzad Hosain, Hasan Jamil, "Algebraic Operator Support for Semantic Data Fusion in Extended SQL," 8th IEEE International Conference on Cybernetic Intelligent Systems (UK and Ireland Chapter), University of Birmingham, Birmingham, UK, September , 2009

▪ Shazzad Hosain and Hasan Jamil, "OWL that can Choose to Inherit and Hide it Too," 3rd IEEE International Conference on Semantic Computing, Berkeley, California, United States, September, 2009

▪ Shazzad Hosain and Hasan Jamil, "Empowering OWL with Overriding Inheritance, Conflict Resolution and Non-monotonic Reasoning," AAAI-SSS-09: Social Semantic Web: Where Web 2.0 Meets Web 3.0, pp. 53 – 58, Stanford, CA, USA, 2009

▪ Anupam Bhattacharjee, Aminul Islam, Mohammad Shafkat Amin, Shahriyar Hossain, Shazzad Hosain, Hasan Jamil and Leonard Lipovich, "On-the-fly Integration and ad hoc Querying of Life Sciences Databases using LifeDB," 20th International Conference on Database and Expert Systems Applications, Linz, Austria, 2009

▪ Md. Shazzad Hosain and Md. Shamsul Alam, "Single Action Reliability Model for Application Software System," International Conference on Computing and Informatics, Kuala Lumpur, Malaysia, June , 2006

▪ Md. Ashraf Uddin Bhuiyan and Md. Shazzad Hosain, "Performance Analysis of cdma2000 Wireless Standard Error Correcting Codes," International Conference on Computer and Information Technology (ICCIT) 2005, Islamic University of Technology (IUT), Dhaka, Bangladesh, pp. 1127-1132, December, 2005

▪ Md. Shazzad Hosain and Md. Shamsul Alam, "Software Reliability Using Markov Chain Usage Model," 3rd International Conference on Electrical & Computer Engineering (ICECE), Dhaka, Bangladesh, pp. 621 – 624, December , 2004

Others

▪ Anupam Bhattacharjee, Aminul Islam, Mohammad Shafkat Amin, Shahriyar Hossain, Shazzad Hosain and Hasan M. Jamil, "LifeDB: An Autonomous System for Semantic Integration of Life Science Data on Hidden Web," Semantic Web Applications and Tools for Life Sciences, 2008

▪ Munirul Islam, Shazzad Hosain, Hasan M. Jamil, Morris Goodman and Derek E.

Wildman, "Phoenix: A Tool for Estimating Species Divergence Times," OCCBIO, Ohio

Collaborative Conference on Bioinformatics, 2008