

Dr. Saifuddin Md. Tareeq

Professor

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I did Bachelor in Applied Physics and Electronics and Master in Computer Science from the University of Dhaka in 1995 and 1997 respectively securing first position in both the examinations. Then I obtained Master of Science in Computer Science from the University of Western Australia, Australia in 2004. I obtained PhD in Informatics (Human Robot Interaction) from the National Institute of Informatics under the Graduate University for Advanced Studies of Japan in 2011. Currently I am working as a Professor and leading the Robotics research laboratory of the department of Computer Science and Engineering of the University of Dhaka. I am also working closely with the Bioinformatics research group of the department.

Education

- 3/2011 Doctor of Philosophy
Human Robot Interaction, Department of Informatics
The Graduate University of Advanced Studies, Japan
- 6/2004 Master of Science in Computer Science (Bioinformatics)
School of Computer Science and Software Engineering
The University of Western Australia, Australia
- 7/1998 Master of Science in Computer Science, First in First Class
Department of Computer Science and Engineering, University of Dhaka
- 9/1995 Bachelor of Science in Applied Physics and Electronics, First in First Class
Department of Applied Physics, Electronics and Communication Engineering,
University of Dhaka

Publications (2018-2010)

Journals

- Computer vision Real Time Feature Based Vehicle Detection and Classification from On-Road Videos, Md. Shamim Reza Sajib and Saifuddin Md. Tareeq in the Dhaka University Journal of Applied Science and Engineering, vol-4(2), 91-101, **2018**.
- bioinformatics Protein Function Prediction Based On Protein-Protein Interaction Together with Sequence and Structural Similarity Information, Shimul Chandra Mondal and Saifuddin Md. Tareeq in the Dhaka University Journal of Applied Science and Engineering, vol-3(2), 127-133, **2016**.
- bioinformatics NECAMO - New Evolutionary Clustering Algorithm using Multiobjective Optimization, Shplu Howlader, Qaynat Qauyyum and Saifuddin Md. Tareeq in the Journal of Applied Science and Engineering, vol-3(1), 61-67, **2015**.
- bioinformatics *Multi-objective approach in predicting amino acid interaction network using ant colony optimization*, Md Shiplu Howlader and Saifuddin Md Tareeq, in the Journal of Artificial Intelligence and Application, Vol 5(1), 113-126, **2014**.
- bioinformatics ACM: An Efficient Exact Algorithm for Finding Planted Motif in Biological Sequences, S. M Iqbal Morshed and Saifuddin Md. Tareeq, in the Journal of Applied Science and Engineering, vol-3(1), 55-60, **2015**.
- bioinformatics SKnot: A Novel Heuristic Algorithm for RNA Secondary Structure Prediction Including Pseudoknots, Shantanu Saha and Saifuddin Md. Tareeq, in the Journal of Applied Science and Engineering, vol-3(1), 113-122, **2015**.

- bioinformatics Reconstruction of Gene Regulatory Networks Using Hybrid Evolutionary Algorithm, Arup Kumar Sarker and Saifuddin Md. Tareeq, in the Journal of Applied Science and Engineering, vol-3(1), 77-86, **2015**.
- bioinformatics A Novel Dynamic Edit Distance based Algorithm for Protein-Protein Interaction Prediction, Md. Abdul Wadud Akanda, Mohsin Khan and Saifuddin Md.Tareeq in the Dhaka University Journal of Applied Science and Engineering, vol-3(1), 39-45, **2015**.
- computer vision An efficient segmentation approach to develop an iris recognition system, Md. Selim Al Mamun, S M Tareeq and Md. Hasanuzzaman, in the Journal of Computing, 4(6),24-29, **2012**.
- human robot interaction Management of Experience Data for Rapid Adaptation to New Preferences based on Bayesian Significance Evaluation, Saifuddin Md. Tareeq and Tetsunari Inamura, in the Advanced Robotics, 25, 2273-2291, **2011**.
- human robot interaction Rapid behavior adaptation for human-centered robots in a dynamic environment based on the integration of primitive confidences on multi-sensor elements}, Saifuddin Md. Tareeq and Tetsunari Inamura, in Artificial Life and Robotics, 15, 515-521, **2010**.
- Conferences**
- bioinformatics *Amino acid interaction network prediction using multiobjective optimization*, Md Shiplu Hawlader and Saifuddin Md Tareeq, in the Third International Conference on Information Technology Convergence and Services (ITCS 2014), **2014**
- human robot interaction *Rapid Behavior Adaptation for Human-centered Robots based on Integration of Primitive Confidence on Multi-sensor Elements*, Saifuddin Md. Tareeq and Tetsunari Inamura, in the International Conference on Advanced Mechatronics, Osaka, Japan, **2010**.
- human robot interaction *Management of Experience Data for Rapid Adaptation to New Policies based on Bayesian Significance Evaluation*, Saifuddin Md. Tareeq and Tetsunari Inamura, in The Fifteenth International Symposium on Artificial Life and Robotics, Japan, 126-129, **2010**.
- human robot interaction *Rapid Behavior Adaptation for Human-centered Robots based on Integration of Primitive Confidence on Multi-sensor Elements*, Saifuddin Md. Tareeq and Tetsunari Inamura in JSME Robotics and Mechatronics Conference, Japan, 2A1-D20(1-4), **2010**.
- human robot interaction *Management of Experience Data for Rapid Adaptation to New Preferences based on Bayesian Significance Evaluation*, Saifuddin Md. Tareeq and Tetsunari Inamura in JSME Robotics and Mechatronics Conference, Japan, 2A2-E07(1-4), **2009**.
- human robot interaction *A Sample Discarding Strategy for Rapid Adaptation to New Situation based on Bayesian Behavior Learning*, Saifuddin Md. Tareeq and Tetsunari Inamura in IEEE International Conference on Robotics and Biomimetics, Thailand,1950-1955, **2009**.
- human robot interaction *Rapid Adaptation to New Situation by Discarding Insignificant Data for Bayesian Behavior Learning*, Saifuddin Md. Tareeq and Tetsunari Inamura in the Conference of the Robotics Society of Japan, RSJ2008AC2C2-02, **2008**.
- Bioinformatics *A Novel Approach of Finding Planted Motif in Biological Sequences*, Rumana Nazmul, Ahsan Raja Chowdhury and Saifuddin Md. Tareeq, in International Conference on Computer and Information Technology, Dhaka, Bangladesh,17-21,**2007**.
- database *Improved Technique for Query Optimization by eliminating duplicates Generated in Transaction Based Join Enumeration*, Saifuddin Md.Tareeq, Md. Rafiqul Islam and

Md. Rezaul Karim in International Conference on Computer and Information Technology (ICCIT2001), p83-88, December **2001**, Dhaka, Bangladesh.

Bangla processing *Bangla Character Coding for Text and Data Processing*, Saifuddin Md. Tareeq, M. Lutfar Rahman, M. Abdus Sobhan and M. Azharul Haque in National Conference on Computer and Information Systems (NCCIS1997), p237-242, December **1997**, Dhaka, Bangladesh.

Work Experience

- 10/2014 - date Professor at the Department of Computer Science and Engineering in the University of Dhaka, Bangladesh.
- 2/2011 – 10/2014 Associate Professor at the Department of Computer Science and Engineering in the University of Dhaka, Bangladesh.
- 7/2004 – 2/2011 Assistant Professor at the Department of Computer Science and Engineering in the University of Dhaka, Bangladesh.
- 7/1998 – 6/2004 Lecturer at the Department of Computer Science and Engineering in the University of Dhaka, Bangladesh.

Major Activities

- 2/2021- date Chairman, Department of Computer Science and Engineering, University of Dhaka.
- 2/2015 - date Group leader, Robotics research group, Department of Computer Science and Engineering, University of Dhaka.
- 3/2011 - date Member, Bioinformatics research group, Department of Computer Science and Engineering, University of Dhaka.

Scholarship and Award

- 4/2007 - 3/2010 National Institute of Informatics Scholarship, Japan
- 3/2002 - 6/2004 Australian Development Scholarship
- 1994 Book award for securing first position in the M. Sc. Examination
- 7/1993 - 6/1994 Government talent pool scholarship for pursuing M. Sc.
- 1993 Book award for securing first position in B. Sc. Examination
- 7/1991 - 6/1993 University Undergraduate Scholarship
- 1991 Salahuddin Kin and Begum Farruq Sultana Kin foundation scholarship

Services

- 2013 Expert service to Bangladesh Krishi Bank Data Center development project
- 2012-2013 Expert service to consular service automation project of Ministry of Foreign Affairs, Government of the People's Republic of Bangladesh.