

BR. BHASWARACHAITANYA (TAMAL MAHARAJ)

Assistant Professor (Monastic Faculty Member)
Department of Computer Science
Ramakrishna Mission Vivekananda Educational and Research Institute
Howrah 711202, West Bengal, India

Phone: (033) 2654-9999
Email: tamal.rkm@gmail.com

Education

- *Ph.D.*, Computer Science and Engineering
University at Buffalo, The State University of New York
Thesis Topic: Measuring Intrinsic Quality of Human Decisions
Advisor: Dr. Kenneth W. Regan
September 2016
- *M.S.*, Electrical Engineering
University at Buffalo, The State University of New York
February 2011
- *B. Tech.*, Electronics and Telecommunication Engineering
National Institute of Technology, Silchar, Assam, India
May 2006

Teaching Experience

Instructor, CS 246 (Artificial Intelligence) *Fall 2019-2021*

Department of Computer Science
Ramakrishna Mission Vivekananda Educational and Research Institute

Instructor, CS 261 (Computer Vision) *Spring 2019-2021*

Department of Computer Science
Ramakrishna Mission Vivekananda Educational and Research Institute

Instructor, CSC 172 (Data Structures and Algorithms) *Spring 2018, Fall 2017*

Department of Computer Science
University of Rochester

- Class size 150+
Course website: <http://www.cs.rochester.edu/courses/172/spring2018/>

Instructor, CSC 261/461 (Database Systems) *Spring 2018, Fall 2017, Spring 2017*

Department of Computer Science
University of Rochester

- Class size 100+
Course website: <http://www.cs.rochester.edu/courses/261/spring2018/>

Instructor, CSC 257/457 (Computer Networks) *Fall 2017, Fall 2016*

Department of Computer Science
University of Rochester

- Course website: <http://www.cs.rochester.edu/courses/257/fall2017/>

Instructor, CSE 101 (Computers: A General Introduction)
Department of Computer Science and Engineering
University at Buffalo

Spring 2016

- Class size 70+
<https://piazza.com/buffalo/spring2016/CSE101/>

Instructor, CSE 250 (Data Structures and Algorithms)
Department of Computer Science and Engineering
University at Buffalo

Summer 2013, 2014, 2015, and 2016

Research interests

- Computer vision
- Decision theory
- Artificial intelligence
- Large language model
- Machine learning and big data
- Computer and network security
- Data structure and algorithms for storing large computational data

Publications

Journal

- Jimut Bahan Pal, Aniket Bhattacharyea, Debasis Banerjee, and Br Tamal Maharaj. Advancing instance segmentation and wbc classification in peripheral blood smear through domain adaptation: A study on pbc and the novel rv-pbs datasets. *Expert Systems with Applications*, 249:123660, 2024
- Tamal T. Biswas and Kenneth W. Regan. Approximation of function evaluation over sequence arguments via specialized data structures. *Theoretical Computer Science*, 607, Part 1:113 – 123, 2015. Algorithmic Aspects in Information and Management

Conferences & Workshop Publications

- Tamal Biswas, Ameya Sanzgiri, and Shambhu Upadhyaya. Building long term trust in vehicular networks. In *Proceedings, 83rd IEEE Vehicular Technology Conference (VTC2016-Spring)*, 2016
- Tamal T. Biswas and Kenneth W. Regan. Measuring level-k reasoning, satisficing, and human error in game-play data. In *Proceedings, 14th International Conference on Machine Learning and Applications (ICMLA)*, 2015
- Tamal Biswas and Kenneth Regan. Quantifying depth and complexity of thinking and knowledge. In *Proceedings, International Conference on Agents and Artificial Intelligence (ICAART)*, 2015
- Tamal Biswas. Designing intelligent agents to judge intrinsic quality of human decisions. In *Proceedings, International Conference on Agents and Artificial Intelligence (ICAART)*, 2015
- Guy Haworth, Tamal Biswas, and Ken Regan. A comparative review of skill assessment: Performance, prediction and profiling. In *Proceedings, International Conference on Advances in Computer Games (ACG 2014)*, 2015
- Tamal Biswas and Kenneth W. Regan. Efficient memoization for approximate function evaluation over sequence arguments. In *Algorithmic Aspects in Information and Management - 10th International Conference, AAIM 2014, Vancouver, BC, Canada, July 8-11, 2014. Proceedings*, pages 185–196, 2014
- K. Regan, T. Biswas, and J. Zhou. Human and computer preferences at chess. In *Proceedings of the 8th Multidisciplinary Workshop on Advances in Preference Handling (MPref 2014)*, 2014
- Kenneth Regan and Tamal Biswas. Psychometric modeling of decision making via game play. In *Proceedings, IEEE Conference on Computational Intelligence in Games*, 2013

Posters

- Tamal T. Biswas and Kenneth W. Regan. Distinguishing human from computer traits at game play. Presented at SEAS Annual Poster Competition, University at Buffalo, 2015. Received Honorable Mention Award, 2015
- Tamal T. Biswas and Kenneth W. Regan. Distinguishing human from computer traits at game play. Presented at Fourth International Conference on Algorithmic Decision Theory (ADT), 2015

Doctoral Consortium

- Tamal T. Biswas. Measuring intrinsic quality of human decisions. In Doctoral Consortium organized by Fourth International Conference on Algorithmic Decision Theory (ADT), September 2015. Kentucky, USA
- Tamal T. Biswas. Measuring intrinsic quality of human decisions. In Doctoral Consortium organized by International Conference on Agents and Artificial Intelligence (ICAART), January 2015. Lisbon, Portugal