

## TENURE AND PROMOTION

### SERVICE STATEMENT

Ananda Mohan Mondal, Ph.D.

Dr. Ananda Mohan Mondal's mission toward service has revolved around a) School-level responsibility, b) College-level committees, and c) Professional community involvement. His services are summarized below.

#### 1. School Service

Dr. Mondal is honored to serve as a member of the school committees, including the Graduate Program Committee (2018-2019), Qualifying Exam Committee (2018-date), Ph.D. Dissertation Committee (2019-date), Distinguished Lecture Series Committee (2019-2021), SCIS Undergraduate CS-0 Type Courses Committee (2020-2021), and KFSCIS Graduate Student Seminar (2021-2024). Some of these services are highlighted below.

As part of the Graduate Program Committee, Dr. Mondal plays a critical role in recruiting Ph.D. students by examining their profiles, including educational credentials such as transcripts, TOEFL and GRE scores, personal statements, and recommendation letters.

As a coordinator of the Graduate Student Seminar, Dr. Mondal helps organize the seminar by inviting the speakers and hosting their talks. This semester, Dr. Mondal invited Dr. Cenk Sahinalp, senior principal investigator at the Cancer Data Science Laboratory of the National Cancer Center at the National Institute of Health, as a speaker for the Distinguished Lecture Series and will host the day-long visit of Dr. Sahinalp. Dr. Mondal also invited and hosted the seminar talk of Dr. Tamer Kahveci, a professor of computer science at the University of Florida.

**Ph.D. Dissertation Committee:** Dr. Mondal has been serving on Ph.D. dissertation committees spanning multiple disciplines, especially Computer Science, Biostatistics, and Electrical and Computer Engineering. Ten graduated students are: Daniel Ruiz-Perez (Fall 2020) and Vitalii Stebliankin (Spring 2023) advised by Dr. Giri Narasimhan; Bashir Sabquat (Fall 2021) and Farah Ferdaus (Fall 2022) advised by Dr. Tauhidur Rahman; Abdullah Al Mamun (Spring 2022) and Raihanul Bari Tanvir (Summer 2023) advised by Dr. Ananda Mohan Mondal; Ahmed Imteaj (Summer 2022) advised by Dr. Hadi Amini; Jayesh Soni (Summer 2022) advised by Dr. Nagarajan Prabakar; Muhammad Haseeb (Spring 2023) advised by Dr. Fahad Saeed; and Proyas Podder (Summer 2023) advised by Dr. Alex Afanasyev. Currently, Dr. Mondal is serving on Ph.D. dissertation committee of nine students: Arpit Mehta, Azam Shirali, and Jimeng Shi Advised by Dr. Giri Narasimhan; Fahad Almuqhim advised by Dr. Fahad Saeed; Gautham Vijay Kumar Advised by Dr. Naphthali Rische; Ingrid Gonzalez Advised by Dr. Gabriel Odom; Masrur Sobhan and Md Mezbahul Islam advised by Dr. Ananda Mohan Mondal; Sajad Farrokhi advised by Dr. Christian Poellabauer. Of these 19 Ph.D. students mentioned above, Dr. Mondal also served as a qualifying exam committee member for 12 students.

**MS Capstone Project Committee:** Dr. Mondal has guided and served as a committee member for five students: Sai Borelly (Fall 2022), Santhosh Gadipelly (Spring 2023), Ravi Chandra Madamanchi (Spring 2023), Jaya Gudipalli (Summer 2023), and Genevieve Ferguson (Fall 2023). He is currently guiding five students: Vamshidhar Sai Donekal, Sri Sai Teja Chanthati, Sai Siva Prabhu, Jhansi Lakshmi, and Erick Gonzalez-Vega.

**Senior Capstone Design Project Guiding and Judging:** Dr. Mondal has guided 61 students in developing an app for analyzing biological networks for their capstone design projects during the last 10 semesters. He also served as a judge for poster presentations at the showcase of the Senior Design Project in four semesters: 2018 (5 posters), 2019 (5 posters), 2023 (5 posters), and 2024 (4 posters).

**Search and Screen Committees.** During the last four years, Dr. Mondal has actively participated in the interview process of hiring new faculty, particularly by meeting the faculty candidates individually, getting them from the hotel, taking them to breakfast and lunch, and hosting their talks. The active participation

in these interview processes has been aimed at assisting the department in recruiting the best persons who can strengthen the research and teaching capability of the department.

## 2. College Service

**CEC Budget Committee:** Dr. Mondal has been a member of the College of Engineering and Computing (CEC) budget committee for three consecutive years (2021-2022, 2022-2023, and 2023-2024). He participated in a few meetings to discuss how to improve the overall college budgetary operation among the committee members and with Adriana Marques, the Director of Budget, CEC.

## 3. Professional Service

**Grant Reviewer:** I had the opportunity of serving as an NIH grant reviewer on a Special Emphasis Panel in February 2024.

**Editorial Service:** I have been serving as a guest editor of the PLOS Computational Biology journal since 2022.

**Conference/Workshop Organizing Committees:** Dr. Mondal has been serving on different conference and workshop organizing committees. He served as a proceedings Co-Chair of the 14th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB 2023). He also served as a workshop Co-Chair of the IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM 2022, 2023).

**Conference/Workshop Technical Program Committees and Other Activities:** Dr. Mondal has been serving on Technical Program Committees at many conferences and workshops, including the IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM: 2016 - present), 22nd IEEE International Workshop on High Performance Computational Biology (HiCOMB 2023), ACM International Conference on Information and Knowledge Management (ACM CIKM: 2022 - present), The International Workshop on Deep Learning in Bioinformatics, Biomedicine, and Healthcare Informatics (DLB2H 2020, 2021, 2022), IEEE BIBM Workshop on Long Non-Coding RNAs: Mechanism, Function, and Computational Analysis (BIBM-LncRNA, 2020, 2021, 2022, 2023), Towards Precision Medicine: Network Based Big Data Integration and Analysis (BigDataNetAnalysis 2018), BigGraphs Workshop at 2018 IEEE International Conference on Big Data (IEEE BigData 2018)

**Reviewer of Journals:** Dr. Mondal has been serving as a reviewer of many prestigious journals, including Bioinformatics, BMC Bioinformatics, BMC Genomics, BMC Medical Genomics, Cancers, Computational and Mathematical Methods in Medicine, Computational and Structural Biotechnology Journal, Diagnostics, IEEE/ACM Transactions on Computational Biology and Bioinformatics, International Journal of Molecular Biology, Lung Cancer, Methods, PLOS ONE, and Scientific Reports.

**Reviewer of Conference Proceedings:** Dr. Mondal has served and been serving as a reviewer of many conference proceedings, including the ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB), International Conference on Information and Knowledge Management (ACM CIKM), International Workshop on Data Mining in Bioinformatics (BIOKDD), IEEE International Conference on Bioinformatics and Bioengineering (IEEE BIBE), IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM), Pacific Symposium on Biocomputing (PSB).

**Professional Society Memberships:** Dr. Mondal is a member of the Association for Computing Machinery (ACM), the Institute of Electrical and Electronics Engineers (IEEE), and the International Society for Computational Biology (ISCB).