

MS. TANJILA FARAH [TNF]

Senior Lecturer

MASc. Engineering Science

Simon Fraser University, Canada

B.Sc. Electrical and Communication Engineering

BRAC University, Bangladesh

Office: SAC 929

Phone: +88 02 55668200 Ext – 6370

Email: tanjila.farah@northsouth.edu

Research Areas

- Data Networking and Information Security
- Database and Information Systems
- Artificial Intelligence & Robotics

Research Interests

Internet & Web application security, Computer Networks, Machine Learning,

Teaching

- CSE 311 Database Systems
- EEE 211 Digital Logic Design
- EEE 211L Digital Logic Design Lab
- CSE 338 Data Communication & network
- CSE 332 Computer Organization and Architecture
- CSE 231 Digital Logic design
- CSE 231L Digital Logic design Lab

Selected Publications

Journals

- Touhid Bhuiyan, Delwar Alam, Tanjila Farah, “Evaluating the Readiness of Cyber Resilient Bangladesh,” Journal of Internet Technology and Secured Transactions (JITST), Volume 4, Issue 1, ISSN 2046-3723, 2015
- Hamdan Kaiser, Mumin Az Zahira Maria, Fatiha Jahan, Tanjila

Farah, "QUEBO," International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM), 2015

- Moniruz Zaman, Delwar Alam, Touhid Bhuiyan, Tanjila Farah , "A Study of the Effects of Heartbleed Vulnerability in Bangladesh," International Journal of Cyber-Security and Digital Forensics (IJCSDF), 2018

- Tanjila Farah, Rashed Shelim, Moniruz Zaman, Delwar Alam, "Study of Race Condition: A Privilege Escalation Vulnerability," Journal of Systemics, Cybernetics and Informatic (JSCI), 2017

Conference Papers

- T. Farah, S. Lally, R. Gill, N. Al-Rousan, R. Paul, D. Xu, and Lj. Trajkovic, "Collection of BCNET BGP traffic," Proc. 23rd International Teletraffic Congress, 2011

- S. Lally, T. Farah, R. Gill, R. Paul, N. Al-Rousan, and Lj. Trajkovic, "Collection and characterization of BCNET BGP traffic," Proc. 2011 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, 2011

- R. Gill, T. Farah, and Lj. Trajkovic, "Comparison of WiMAX and ADSL performance when streaming audio and video content," OPNETWORK 2011, 2011

- T. Farah and Lj. Trajkovic, "Anonym: a tool for anonymization of the Internet traffic," Proc. 2013 IEEE International Conference on Cybernetics (CYBCONF 2013), 2013

- T. Farah, D. Alam, M. A. Kabir, T. Bhuiyan, "SQLi Penetration Testing of Financial Web Applications: Investigation of Bangladesh Region," World Congress on Internet Security (WorldCIS-2015), 2015

- Tanjila Farah, Moniruzzaman Shojol, Md. Maruf Hassan, Delwar Alam, "Assessment of vulnerabilities of web applications of Bangladesh: A case study of XSS & CSRF," The Sixth International Conference on Digital Information & Communication Technology & its Applications (DICTAP2016), 2016

- D. Alam, T. Farah, M. A. Kabir, "Exploring the SQL injection vulnerabilities of .bd domain web applications," 3rd International Conference on Advances in Computing, Electronics and Communication (ACEC 2015), 2015

- D. Alam, T. Bhuiyan, M. A. Kabir, T. Farah, "SQLi Vulnerability in Education Sector

Websites of Bangladesh,” The Second International Conference on Information Security and Cyber Forensics (InfoSec2015), 2015

- Tanjila Farah, Delwar Alam, Md. Nadir Bin Ali, Md. Alamgir Kabir, “Investigation of Bangladesh Region Based Web Applications: A Case Study of 64 Based, Local, and Global SQLi Vulnerability,” IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON), 2015
- Taoseef Ishtiaq, Sajid Ahmed, Mehreen Hossain Anila, Saima Islam, Rashed Shelim, Tanjila Farah, “Road State Classification of Bangladesh with Convolutional Neural Network Approach,” Road State Classification of Bangladesh with Convolutional Neural Network Approach, 2019
- Taoseef Ishtiaq, Sajid Ahmed, Mehreen Hossain Anila, Tanjila Farah, “A Convolutional Neural Network Approach for Road Anomalies Detection in Bangladesh with Image Thresholding,” 3rd World Conference on Smart Trends in Systems, Security And Sustainability (WorldS4 2019), 2019
- Md. Amanat Khan Shishir, Shahariar Rashid Fahim, Fairuz Maesha Habib, Tanjila Farah, “EYE ASSISTANT:Using mobile application to help the visually impaired,” 1st International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT-2019), 2019
- 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
- T. Farah, D. Alam, M. Zaman, and T. Bhuiyan, “A case study of Blockchain Technology,” International Conference on Cyber Security and Computer Science (ICONCS 2018), 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