

4th International Conference on Networking, Systems and Security (4th NSysS 2017)

Program

Day 1: December 18, 2017, Monday	
4.00 pm – 6:30 pm	Registration Venue: Graduate Complex, 5 th floor, ECE Building, West Palashi Campus, BUET, Dhaka, Bangladesh
5:30 – 6:00 pm	Prayer Break, Tea Break, and Networking
4.20 pm - 6.00 pm	Students' Forum <i>Syed Ishtiaque Ahmed, University of Toronto, Canada</i> Session Chair: Md. Shamsuzzoha Bayzid, Bangladesh University of Engineering and Technology, Bangladesh
Day 2: December 19, 2017, Tuesday	
9.30 am - 10.45 am	Keynote Talk: "A Virtualized Network Slicing for 5G Networks" by <i>Choong Seon Hong, Kyung Hee University, Korea</i> Session Chair: Md. Abdur Razzaque, University of Dhaka, Bangladesh
10.45 am - 11.00 am	Tea Break and Networking
11:00 am - 12:30 pm	Technical Session: "Systems Security and Availability" Session Chair: A.K.M. Ashikur Rahman, Bangladesh University of Engineering and Technology, Bangladesh <i>Md. Rafiul Biswas, Kazi Md. Rokibul Alam, Ali Akber and Yasuhiko Morimoto. "A DNA Cryptographic Technique Based on Dynamic DNA Encoding and Asymmetric Cryptosystem"</i> <i>Sharifa Tahmida Kaniz, Jibon Naher and Tanzima Hashem. "Authentication of k Nearest Neighbor Queries in the Presence of Obstacles"</i> <i>Sifat E Jahan, Mehjabin Rahman, Anindya Iqbal and Tishna Sabrina. "An Exploratory Analysis of Security on Data Transmission on Relevant Software Engineering Discussion Sites"</i> <i>Nashid Shahriar, Shihabur Rahman Chowdhury, Mahfuza Sharmin, Reaz Ahmed, Raouf Boutaba and Bertrand Mathieu. "Availability in P2P based Online Social Networks"</i>
12.30 pm - 2.00 pm	Prayer Break, Lunch Break, and Networking
2.00 pm – 3:15 pm	Keynote Talk: "Taming Timing Uncertainties for New Generation of Cyber-Physical Systems and Applications" by <i>Rajesh K. Gupta, University of California, San Diego, USA</i>

	Session Chair: Muhammad Abdullah Adnan, BUET, Bangladesh
3.15 pm – 4:00 pm	Invited talk: “Automated Detection of Specification Bugs in Network Protocol Implementations” by <i>Endadul Hoque, Florida International University, USA</i> Session Chair: Muhammad Masroor Ali, Bangladesh University of Engineering and Technology, Bangladesh
4:00 pm – 4:30 pm	Prayer Break, Tea Break, and Networking
4:30 pm – 6:00 pm	Technical Session: “ <i>System Efficiency and Deployment</i> ”
	Session Chair: Abu Sayed Md. Latiful Hoque, Bangladesh University of Engineering and Technology, Bangladesh
	<i>Sanghita Bhattacharjee and Kavisha Agarwal. "Energy Efficient Multiple Sink Placement in Wireless Sensor Networks"</i>
	<i>Md Ahsan Habib and Mohammad Shahidul Hasan. "A Performance Analysis of Backbone Structures for Static Sink Based Starfish Routing in WSN"</i>
	<i>Ahamed Al Nahian and A. B. M. Alim Al Islam. "Efficient UAV Deployment Strategy for Reconnaissance"</i>
	<i>Shantanu Dutta, Abdul Kawsar Tushar, Md Abdullah Al Mamun, Alvi Md. Ishmam, Sourav Kumar Mondal, Tarik Reza Toha and A. B. M. Alim Al Islam. "Towards Perceiving and Resolving the Impediments to Reporting For the Developing Countries"</i>
4.20 pm - 6.00 pm (In parallel)	Students’ Posters Session Session Chair: S. M. Farhad, Bangladesh University of Engineering and Technology, Bangladesh <i>Venue: Lobby, Ground Floor, CSE Wing, ECE Building, West Palashi, Dhaka, Bangladesh</i>
Day 3: December 20, 2017, Wednesday	
9.00 am - 10.30 am	Technical Session: “ <i>System Performance</i> ”
	Session Chair: Anindya Iqbal, Bangladesh University of Engineering and Technology, Bangladesh
	<i>Fahim Shahriar, Aakib Bin Nesar, Naweed Mohammad Mahbub and Swakhar Shatabda. "EGAGP: An Enhanced Genetic Algorithm for Producing Efficient Graph Partitions"</i>
	<i>Tasnim Kabir and Muhammad Abdullah Adnan. "A Dynamic Searchable Encryption Scheme for Secure Cloud Server Operation Reserving Multi-keyword Ranked Search"</i>
	<i>Tarik Reza Toha, Alvi Md. Ishmam, Md. Hasanul Islam, Md. Abdullah Al Maruf, Swarnendu Saikat Nandi, Amit Chakraborty, Salman Estyak, Md. Abdullah Al Alamin and A.B.M Alim Al Islam. "An Approach Towards Greening The Digital Display System"</i>
	<i>M Islam, A Islam and Anik Hoque. "Polygot: An Approach Towards Reliable Translation By Name Identification And Memory Optimization Using Semantic Analysis"</i>
10.30 am - 10.45 am	Tea Break and Networking

10.45 am - 12.00 pm	<p>Keynote Talk: “Ultrafast Pattern Recognition and Tracking”</p> <p><i>Mohammad S. Alam, Texas A & M University, USA</i></p> <p>Session Chair: Md. Shohrab Hossain, Bangladesh University of Engineering and Technology, Bangladesh</p>
12.00 pm – 12.45 pm	<p>Invited Talk: “DeBot: A Twitter Bot Detection System”</p> <p><i>Abdullah Mueen, University of New Mexico, USA</i></p> <p>Session Chair: Nova Ahmed, North South University, Bangladesh</p>
12.45 pm - 2.00 pm	Prayer Break, Lunch Break, and Networking
2.00 pm – 3:00 pm	<p>Joint business meeting of Steering Committee, Organizing Committee, and Technical Co-Sponsors</p> <p><i>Venue: Conference Room, 3rd floor, CSE Wing, ECE Building</i></p>
2.00 pm – 3:00 pm (In parallel)	<p>Invited Talk: “HCI + Computer Graphics for design, art, communication, & beyond”</p> <p><i>Rubaiat Habib, Adobe Research</i></p> <p>Session Chair: Mohammed Eunus Ali, Bangladesh University of Engineering and Technology, Bangladesh</p>
3.00 pm – 4.00 pm	<p>Industry Session</p> <p>Talks from the valued Financial Co-sponsors</p> <p>Session Chair: M. Sohel Rahman, Bangladesh University of Engineering and Technology, Bangladesh</p>
2.00 pm – 4:00 pm (In parallel)	<p>Posters and Demo Session</p> <p><i>Venue: Lobby, Graduate Complex, CSE Wing, ECE Building, West Palashi, Dhaka, Bangladesh</i></p>
	<p>Session Chair: Md. Monirul Islam, Bangladesh University of Engineering and Technology, Bangladesh</p>
	<p><i>Md. Armanuzzaman, Kazi Md. Rokibul Alam, Md. Mehadi Hassan and Yasuhiko Morimoto. "A Secure and Efficient Data Transmission Technique Using Quantum Key Distribution"</i></p>
	<p><i>Fuad Al Abdullah, Saifullah Sabuj, Zunaid Ahasan and Mahmuda Naznin. "RLB: Randomized Load Balanced Packet Forwarding Strategy in Name Based Data Networking"</i></p>
	<p><i>Mohammad Sakib Mahmud, Mahbub Arab Majumder, Abdul Kawsar Tushar, Md. Mahtab Kamal, Akm Ashiquzzaman and Md Rashedul Islam. "Real-Time Feedback-Centric Nurse Calling System with Archive Monitoring using Raspberry Pi"</i></p>
	<p><i>Partha Chakraborty, Salsabil Arabi, Ayesha Siddiqua, Tahrina Tasnim, Md. Sazzad Hossain, Ishtiaque Ahmed, Shantanu Dutta, Alvi Md. Ishmam, Tarik Reza Toha and A.B.M Alim Al Islam. "Automated Cost Reduction while Using Multiple SIMs in a Single Mobile Device"</i></p>
	<p><i>Ananya Bhattacharjee, Tahrina Tasnim, Md. Sadiqur Rahman Sohel, Amit Chakraborty, Md. Abdullah Al Maruf, Shantanu Dutta, Alvi Md. Ishmam,</i></p>

	<i>Tarik Reza Toha and A. B. M. Alim Al Islam. "Service-Hub: A Better Approach for Developing the System of Online Marketing for Daily Services"</i>
4.00 pm - 4.20 pm	Tea Break, Prayer break and Networking
4.20 pm – 5.30 pm	Panel Discussions: “E-Health Network and Systems: The Reality, Achievement and Gap” Session Chair: Rifat Shahriyar, Bangladesh University of Engineering and Technology, Bangladesh
5.30 pm – 6.00 pm	Prayer Break
6.30 pm - 8.00 pm	Closing Session and Conference Banquet <i>Venue: Landscape, ECE Building, West Palashi, Dhaka, Bangladesh</i>

Venue of all events (if not mentioned otherwise):

Graduate Seminar Room, Graduate Complex, 5th floor, ECE Building, West Palashi, Dhaka, Bangladesh