

9th International Conference on Networking, Systems and Security (9th NSysS 2022)

Program

(All times are in Bangladesh Standard time (BST) - GMT+6:00)

Day 1: December 20, 2022, Tuesday	
2:30 PM – 4 PM (virtual)	Special session: Cybersecurity Research: Present and Future Invited Speakers: <i>Abu Barkat Ullah</i> , University of Canberra, Australia <i>Christopher Bain</i> , Monash University, Australia <i>Ahmad Salehi Shahraki</i> , La Trobe University, Australia [Organizer and Session Chair - <i>Fariha Tasmin Jaigirdar</i> , Monash University, Australia]
6:30 PM – 7 PM (virtual)	Welcome Session
7 PM – 8 PM (virtual)	Keynote Talk: Guessing Random Additive Noise Decoding (GRAND) or how to stop worrying about error-correcting code design by <i>Muriel Médard</i> , Professor of Electrical Engineering and Computer Science, Massachusetts Institute of Technology, USA [Session Chair - <i>Mahmuda Naznin</i> , Bangladesh University of Engineering and Technology, Bangladesh]
8 PM – 9 PM (virtual)	Special session: Internet of Things Invited Speakers: <i>Md. Mahbubur Rahman</i> , Samsung Research America, USA <i>Nivedita Arora</i> , Georgia Institute of Technology, USA <i>Sai Ganesh Swaminathan</i> , University of Tennessee, USA [Organizer and Session Chair - <i>Bashima Islam</i> , Worcester Polytechnic Institute, USA]
10 PM – 11:59 PM (virtual)	Students' Forum: Collaborative Research across Border Speakers: <i>Golam Md Muktadir</i> , Ph.D. Candidate, University of California, Santa Cruz, USA <i>Abdul Jawad</i> , Ph.D. Candidate, University of California, Santa Cruz, USA <i>Saad Manzur</i> , Ph.D. Candidate, University of California, Irvine, USA [Session Chair - <i>Sukarna Barua</i> , Bangladesh University of Engineering and Technology, Bangladesh]
Day 2: December 21, 2022, Wednesday	
8:30 AM – 10.30 AM	Registration
9 AM – 9:45 AM (virtual)	Invited Talk: Artificial Intelligence in Medical Domain: Applications and Limitations by <i>Sami Azam</i> , Charles Darwin University, Australia [Session Chair - <i>Abu Wasif</i> , Bangladesh University of Engineering and Technology, Bangladesh]

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10:30 AM – 11:10 AM (physical)	<p>Technical Paper Presentation Session: Networking and Security [Session Chair - <i>Abu Sayed Md. Latiful Hoque</i>, Bangladesh University of Engineering and Technology, Bangladesh]</p> <p>➤ Farabi Fardin Khan, Nafis Mohaimin Hossain, Md. Nazrul Huda Shanto, Sad Bin Anwar and Jannatun Noor. <i>Mitigating DDoS Attacks Using a Resource Sharing Network</i></p> <p>➤ Ishita Haque, Rudaiba Adnin, Sadia Afroz, Faria Huq, Sazan Mahbub, Sami Azam and A. B. M. Alim Islam . <i>Citadel: An Automated Abuse Detection System to Detect And Prevent Abusive Behaviors over Emails</i></p>
11:20 AM – 12:00 PM (physical)	<p>Technical Paper Presentation Session: Software and Systems Security [Session Chair - <i>Mohammad Saifur Rahman</i>, Bangladesh University of Engineering and Technology, Bangladesh]</p> <p>➤ Subrata Kumar Das and Mohammad Zahidur Rahman. <i>A Watermarking Approach to Communicate Patient Data Securely from Distributed Sources</i></p> <p>➤ Trope Mahmood and Muhammad Abdullah Adnan. <i>Detecting Fake Co-visitation Injection Attack in Graph-based Recommendation Systems</i></p>
12:10 PM – 12:50 PM (physical)	<p>Technical Paper Presentation Session: IoT and Embedded Systems [Session Chair - <i>Sadia Sharmin</i>, Bangladesh University of Engineering and Technology, Bangladesh]</p> <p>➤ Mohammad Shihab Mustafa, Jannatul Ferdaus Khan Lisa, Nishat Alam Tuba, Tahsiana Rashid Khan and Jannatun Noor. <i>Design and Implementation of Wireless IoT Device for Women's Safety</i></p> <p>➤ Md. Harunur Rashid Bhuiyan, Muhammad Tafsirul Islam, Anupom Mondol, Tarik Reza Toha and Sheikh Md.Mominul Alam. <i>Sound-Based Fault Detection for Textile Machinery</i></p>
1 PM – 2.30 PM	Lunch Break
2:30 PM – 4:30 PM (physical)	<p>Panel Discussion: Cost-Effective and Sustainable Development of ICT Systems to Ensure Quality Service to the People and Organizations of Bangladesh</p> <p>[Session Chair - <i>Md. Monirul Islam</i>, Bangladesh University of Engineering and Technology, Bangladesh]</p>
4.30 PM – 5.30 PM (physical)	<p>Industry Session: Talk from Valued Sponsors</p> <p>[Session Chair - <i>Md. Tareq Mahmood</i> and <i>Md. Toufikuzzaman</i>, Bangladesh University of Engineering and Technology]</p>
5.30 PM – 6 PM (hybrid)	Business Meeting of Organizers and Steering Committee
8 PM – 9 PM (virtual)	<p>Keynote Talk: Why Optical Wireless Communication is Ready for 6G! by <i>Harald Haas</i>, Professor of Electronic and Electrical Engineering, The University of Strathclyde, UK</p> <p>[Session Chair - <i>Md. Shohrab Hossain</i>, Bangladesh University of Engineering and Technology, Bangladesh]</p>
9 PM – 9:45 PM (virtual)	<p>Invited Talk: Network (In)security: Leniency in Protocols' Design, Code and Configuration by <i>Endadul Hoque</i>, Syracuse University, USA</p>

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	[Session Chair - <i>Tahmid Hasan</i> , Bangladesh University of Engineering and Technology, Bangladesh]
Day 3: December 22, 2022, Thursday	
10 AM – 10:45 AM (virtual)	Invited Talk: Reclaiming the Internet: A Journey to Community-Held Cellular Infrastructure by <i>Kurtis Heimerl</i> , University of Washington, USA [Session Chair - <i>A. B. M. Alim Al Islam</i> , Bangladesh University of Engineering and Technology, Bangladesh]
10:45 AM – 11:30 AM (physical)	Invited Talk: Accelerating AI Inference on 5G Edge by <i>Md Yusuf Sarwar Uddin</i> , University of Missouri Kansas City, USA [Session Chair - <i>Anindya Iqbal</i> , Bangladesh University of Engineering and Technology, Bangladesh]
11.30 AM – 12:10 PM (physical)	Technical Paper Presentation Session: Software Engineering and Autonomous Systems [Session Chair - <i>Rifat Shahriyar</i> , Bangladesh University of Engineering and Technology, Bangladesh] ➤ Md. Sohel Aman Khan, Ahmad Rahman Farabi and Anindya Iqbal. <i>What Do Firebase Developers Discuss About? An Empirical Study on Stack Overflow Posts</i> ➤ Subhajit Pramanick, Gurram Joseph Spurgeon, Kritika Raj and Partha Sarathi Mandal. <i>Asynchronous Line Formation in Presence of Faulty Robots</i>
12:20 PM – 1:00 PM (physical)	Technical Paper Presentation Session: Machine Learning Systems and Applications [Session Chair - <i>Muhammad Ali Nayeem</i> , Bangladesh University of Engineering and Technology, Bangladesh] ➤ Fariha Tabassum Islam, Md. Tareq Mahmood and Mahmuda Naznin. <i>MTUL: A Novel Approach for Multi-Trajectory User Linking</i> ➤ Md. Atiqur Rahman and A. B. M. Alim Al Islam. <i>Cri-Astrologer: Predicting Demography of Involved Criminals based on Historical Data</i>
2 PM – 3:30 PM (physical)	Students’ Poster Presentation [Session Chair - <i>Preetom Saha Arko</i> and <i>Md. Masum Mushfiq</i> , Bangladesh University of Engineering and Technology, Bangladesh]
7 PM – 8 PM (hybrid)	Closing Session and Award Ceremony
8 PM – 9 PM	Banquette Dinner