



International Conference on Innovation in Engineering and Technology (ICIET), 2019
Organized by: Faculty of Engineering and Technology, University of Dhaka
Venue: Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka, Bangladesh
Date: 23 - 24 December, 2019

Day 1 - Monday, December 23, 2019		
Time	Event	
8:30 AM - 9:30 AM	Registration and Conference Kits Collection	
9:30 AM - 10:15 AM [Room# Auditorium]	Inaguration Session	
Time	Session Chair	Event
10:15 AM - 11:15 AM [Room# Auditorium]	Prof. Dr. Mohammad Kaykobad Prof. Dr. Subrata Kumar Aditya	Keynote 01: Dispersion Problems Prof. Shin-ichi Nakano, Gunma University, Japan Keynote 02: The Importance of Trustworthiness of Engineering Professionals and Humans Prof. Dr. Muhammad Harunur Rashid, Florida Polytechnic University, USA
11:15 AM - 11:30 AM	Tea Break	
11:30 AM - 1:10 PM	Prof. Dr. Md. Saidur Rahman Prof. Dr. Md. Shariful Islam	Technical Session 1: Software engineering and System Security [Room# Seminar 1] (Paper IDs - 08, 83, 133, 176, 184)
	Prof. Dr. Abdul Hasib Chowdhury Dr. Sharnali Islam	Technical Session 2: Power Electronics and Smart Grid [Room# Virtual Class Room] (Paper IDs - 27, 73, 139, 183, 190, 217)
	Prof. Dr. Md. Nurul Amin Dr. Mohammad Ismail	Invited Talk 1: Hydrogen production via biomass gasification and its prospect in Bangladesh [Room# Auditorium] Dr. Md Abdus Salam, AMIChemE, MyIEM Technical Session 3: Applied Chemistry and Chemical Engineering - I [Room# Auditorium] (Paper IDs - 95, 102, 181, 199, 235)
	Dr. Shamim Deowan Dr. Sejuti Rahman	Technical Session 4: Robotics and Mechatronics Engineering [Room# Seminar 2] (Paper IDs - 98, 165, 187, 191)
1:10 PM - 2:00 PM	Prayer and Lunch Break	
2:00 PM - 3:00 PM [Room# Auditorium]	Prof. Dr. Md. Abdul Mottalib Prof. Dr. Lafifa Jamal	Keynote 03: Can Artificial Intelligence Do Better Than You? Professor Alamgir Hossain, Teesside University, UK Keynote 04: Neuromodulation via thermal or galvanic current, UK-US partnership Dr. M. Shakel, University of Kent, Canterbury, UK
	Prof. Dr. Chowdhury Farhan Ahmed Dr. Swakkhar Shatabda	Technical Session 5: Artificial Intelligence and Data mining [Room# Seminar 1] (Paper IDs - 14, 44, 143, 197, 202, 209)

Time	Session Chair	Event
3:00 PM - 4:30 PM	Prof. Dr. Saeed Mahmud Ullah Dr. Redwan Noor Sajjad	Technical Session 6: Semiconductor and VLSI [Room# Auditorium] (Paper IDs - 3, 68, 106, 128, 144, 170, 178)
	Prof. Dr. Md. Azizur Rahman Dr. Md. Shafiqul Islam	Invited Talk 2: Quality and Safety Aspects of Rooppur Nuclear Power Plant Dr. Md. Shawkat Akbar, Managing Director, Nuclear Power Plant Company Bangladesh Limited Technical Session 7: Nuclear Engineering - I [Room# Seminar 2] (Paper IDs - 21, 45, 113, 115)
	Prof. Dr. Md. Habibur Rahman Dr. Sakhawat Hussain	Technical Session 8 - Electronics and Material Science [Room# Virtual Class Room] (Paper IDs - 24, 86, 140, 160, 169, 174)
4:30 PM - 4:45 PM	Tea Break	
4:45 PM - 5:45 PM [Room# Auditorium]	Prof. Dr. Mosaddek Hossain Kamal Prof. Dr. S. M. Mostafa Al Mamun	Keynote 05: Blockchain as an Information Technology Professor Atsushi Inoue, Eastern Washington University, USA Kenote 06: Human Gait Recognition: Video-based and Sensor-based Domains Professor Dr. Md Atiqur Rahman Ahad, University of Dhaka, Bangladesh
5:45 PM - 6:35 PM [Room# Auditorium]	Prof. Dr. Md Atiqur Rahman Ahad	Invited Talk 3: Unmanned Robot for Humanitarian Applications Prof. Dr. Celia Shahnaz, Bangladesh University of Engineering and Technology (BUET), Bangladesh A Session on IEEE Bangladesh Section Activities

Time	Session Chair	Event
Day 2 - Tuesday, December 24, 2019		
8:30 AM - 9:00 AM	Registration and Conference Kits Collection	
9:00 AM - 10:30 AM	Prof. Dr. Haider Ali Prof. Dr. Mohammad Shorif Uddin	Technical Session 9: Image Processing [Room# Auditorium] (Paper IDs - 114, 163, 171, 213, 238)
	Prof. Dr. Muhammad Mahbub Alam Prof. Dr. Md. Mamun-or-Rashid	Technical Session 10: Networking [Room# Seminar 1] (Paper IDs - 186, 189, 192, 193, 210)
	Prof. Dr. Md. Shafiu Alam Dr. Mohammad Junaebur Rashid	Technical Session 11: Renewable Energy and Signal Processing [Room# Virtual classroom] (Paper IDs - 12, 37, 157, 162)
	Prof. Dr. Khorshed Ahmed Kabir Engr. Md. Ali Zulquarnain	Technical Session 12: Nuclear Engineering -II[Room# Seminar 2] (Paper IDs - 42, 129, 130, 211)
10:30 AM - 10:45 AM	Tea Break	
10:45 AM - 11:45 AM [Room# Auditorium]	Prof. Dr. Md. Rezaul Karim Dr. Md. Rafiqul Islam	Keynote 07: Big Data Stream Analytics and Its Applications Professor Latifur Khan, University of Texas at Dallas, USA Keynote 08: Advanced methods to detect intricate cybersecurity exploits Dr. Shawon S. M. Rahman, University of Hawaii-Hilo, USA
10:45 AM - 11:45 AM [Room# Seminar 1]	Prof. Dr. Rafiqul Islam Prof. Dr. Md. Zahangir Alam	Invited Talk 4: Engineering synthetic immunity for next generation biotherapeutics development for effective anti-tumor immune response Dr. Mohosin Sarkar, Sr. Principal Scientist, Integrated Biotherapeutics Group, Pfizer Worldwide R&D Invited Talk 5: Industrial Contribution of Bengal Group in Bangladesh Md. Jashim Uddin, CIP, Vice Chairman, Bengal Group of Industries & RTV Invited Talk 6: The Rising Glory in Textile Sector of Bangladesh Engr. Md. Shafiqur Rahman, CIP, Director, BCCI and President, Institute of Textile Engineers and Technology
11:45 AM - 1:15 PM	Prof. Dr. Saifuddin Md. Tareeq Prof. Dr. Mohammad Nurul Huda	Technical Session 13: Machine Learning and Natural Language Processing [Room# Auditorium] (Paper IDs - 70, 120, 126, 149, 153, 196, 212)
	Prof. Dr. Adnan Kiber Dr. Khaleda Ali	Technical Session 14: Communication and Biomedical Systems [Room# Seminar 1] (Paper IDs - 61, 109, 112, 172, 179)
	Prof. Dr. Sarwaruddin Chowdhury Prof. Dr. A. N. M. Hamidul Kabir	Technical Session 15: Applied Chemistry and Chemical Engineering - II [Room# Virtual Class Room] Paper IDs - 34, 85, 103, 136, 152, 204)
1:15 PM - 2:00 PM	Prayer and Lunch Break	
2:00 PM - 3:00 PM [Premise]	Poster Presentation (IDs 30, 72, 180, 185, 220, 221, 222, 226)	

Time	Session Chair	Event
2:30 PM - 3:30 PM [Room# Virtual Class Room]	Prof. Dr. Hafiz Md. Hasan Babu Prof. Dr. Nurnabi	Keynote 09: Analysing the threat landscape in dark side of the web Dr. Md. Rafiqul Islam, Charles Strurt University, Australia Keynote 10: Photocatalytic degradation of pharmaceutical component a study with membrane based reactor Dr. Sudip Chakraborty, University della Calabria, Italy
3.30 PM - 3:45 PM	Tea Break	
3:45 PM - 4:45 PM [Room# Auditorium]	Prof. Dr. Adnan Kiber	Invited Talk 7: Knowledge and Knowledge Engineering: In Islamic perspective Dr. Shahida Rafique, University of Dhaka Invited Talk 8: Intelligent Industry Vision 2020: A Smart Transition Towards Intelligent World Mr. Shariar Zoha Pavel, Chief Experience Officer, Huawei Consumer BG, United Arab Emirates (UAE) Invited Talk 9: Natural Language Processing in Bangla Mr. Ajmat Iqbal, Chief Executive Officer, Reve Systems Ltd.
3:45 PM - 5:25 PM [Room# Seminar 1]	Prof. Dr. Khorshed Ahmed Kabir Prof. Dr. Shafiqul Islam Bhuiyan	Invited Talk 10: An Overview of Nuclear Energy in Bangladesh Engg. Md. Ali Zulqarnain, Former Chairman, Bangladesh Atomic Energy Commission (BAEC) Invited Talk 11: Role of BAEC TRIGA Research Reactor in Education, Training and R&D Activities in the Field of Nuclear Technology Dr. Md. Abdul Malek Soner, Bangladesh Atomic Energy Commission Invited Talk 12: The Role of BAEC for the Development of Nuclear Workforce in Bangladesh Dr. Syed Mohammad Hossain, Director & CSO, HRD, Bangladesh Atomic Energy Commission Invited Talk 13: Development of Modern Calculation Methods and Future Challenges in Reactor Physics Dr. Moammad Abdul Motalab, Bangladesh Atomic Energy Commission
3:45 PM - 4:25 PM [Room# Virtual Classroom]	Prof. Dr. Abdul Quaiyyum Prof. Dr. Md. Kamruzzaman	Invited Talk 14: Method Validation & Uncertainty Measurement in Chemical Analysis Md. Aminul Islam, Director (Addl. Charge) & Principal Scientific Officer, INARS, BCSIR, Dhaka Invited Talk 15: Alumina as Structural and Bio-ceramics: Fabrication, Properties and Applications Dr. Md. Abdul Gafur, Principal Scientific Officer, IFRD, BCSIR, Dhaka
5:25 PM - 6:00 PM [Room# Auditorium]	Career Counseling Session for Engineering Graduates	
6:00 PM - 8:30 PM	Closing Ceremony, Best Paper Award and Conference Banquet	
Notes		
<p>a) Each Keynote is given 25 minutes for presentation and 5 minutes for discussion, total 30 minutes</p> <p>b) Each Invited Talk is given 15 minutes for presentation and 5 minutes for discussion, total 20 minutes</p> <p>c) Each oral presentation is given 12 minutes for presentation and 3 minutes for discussion, total 15 minutes</p> <p>d) Poster session has been placed just after lunch to minimize setup time</p> <p>e) Authors of the Poster paper must bring their paper printed in a A1 size (32"X24") Poster paper</p>		