



IEEE BANGLADESH SECTION NEWSLETTER 2019

Issue 1



2018 Outstanding Section Membership
Recruitment and Retention Performance
Bangladesh Section



2018 Outstanding Section Membership
Retention Performance
Bangladesh Section

Messages



Dr. Celia Shahnaz *Chair, IEEE Bangladesh Section*

It is of great pride, as the Chair, to witness IEEE Bangladesh Section publishing the 1st edition of the newsletter 2019. It's prodigious to see young minds devoting their hard work to IEEE Bangladesh Section which is truly visible through the outstanding achievement in the year 2019. The newsletter portrays the backbreaking work and success stories of the section. The members of the section organized several workshops, both technical and professional, and tech-talks to guide the members and help them enhance their skills and personality in a way so that they can overcome any hurdle on their journey to be a successful engineer. I congratulate and take great pride in each and every member of the section who contributed in their best possible way on bringing the section to this height. My special gratification to the newsletter team on publishing the first edition of the newsletter.

Messages



Dr. Farseem Mannan Mohammedy Editor

When I am speaking about IEEE Bangladesh Section, I am not only speaking of an organization encompassing 7 Chapters and 42 Student Branches but also the perseverance, diligence and incessant activities of the executive committee members and volunteers of Chapters, Affinity Groups and Student Branches. In addition to being one of the largest IEEE based community, IEEE Bangladesh Section is a well-known bastion for aspiring and leveraging technology towards humanity. It is now a bellwether to Bangladesh in order to foster great minds towards the ever growing and emerging fields of engineering and technology.

Ever since the inception of IEEE Bangladesh Section, it has been thriving to establish a community of engineers, researchers, faculties and other technical-minded people to achieve its goals. The section aims to be one of the most functional groups of IEEE Region 10 as a refined branch of the IEEE itself. The section inflames the spirit of its members to join together and actively conduct research and industry-based workshops, seminars, conferences, short courses and so on. One of the most remarkable aspects of IEEE Bangladesh Section is that it houses people from different disciplines in the science, engineering and technology arena. The section has been a catalyst towards eradicating the academic boundaries and dichotomy among disciplines like electrical, electronic, communication, computer, information technology etc.

I am captivated to learn that IEEE Bangladesh Section has effectively made myriads of social and non-technical contributions. The section actively takes part in the annual IEEE Student Young Professionals Women Congress, makes the necessary arrangements for the Gala Dinner, conducts several sessions on career development, time management, research methodology etc. One of the prime targets of IEEE BDS has been to reduce the divisive line between industry and academia for the benefits of its associated members and volunteers. It opens doors for networking and helps the large body of affiliated technical people to resolve the conundrums of the modern ever-growing technologies. I am thoroughly delighted with the activities of IEEE Bangladesh Section and immensely proud to be a part of it. I am looking forward to contributing more to this organization and wish it every triumph and success along its lofty way to achieve greatness.

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Table of Contents

01

IEEE Bangladesh Section Activities

02

Society Activities

03

Activities of Affinity Groups

04

Student Branch Activities

IEEE Bangladesh Section Activities



Events By IEEE BDS in 2019

1. IEEE Bangladesh Section AGM and Election

Hosted by: IEEE Bangladesh Section

Venue: BUET

Date: January 05, 2019

Details: On January 05, 2019, IEEE Bangladesh Section had its Annual General meeting and Election. After the presentation of the annual activities of the year 2018, the general election was held and the newly elected 2019 Executive Committee Members of IEEE Bangladesh Section (BDS) was formed. This committee has received overwhelming support from record number of voting members in the history of BDS under the leadership of Chair- Prof Dr Celia Shahnaz.

The team was as follows:

Chair- Prof Dr Celia Shahnaz.

Prof Dr Shaikh Anowarul Fattah- Nominations & Appointment Chair

Vice Chair (Activity)- Yeasir Arafat

Vice Chair (Technical)- Mohammed Moshiul Hoque

Secretary- Raihan Ur Rashid

Treasurer-Abhijit Biswas

Student Activity Coordinator-Shams Shad Raf,

Industrial Activity Coordinator- Azfar Adib

Awards Coordinator-Abul Al Arabi

Publicity Coordinator-Md Raju Ahmed

Newsletter Editor- Farseem Mannan Mohammedy

Humanitarian Activity Coordinator-Muhibul Haque Bhuyan

Professional Activity Coordinator-Faisal Mohsin

Educational Activity Coordinator- M. Tanseer Ali

Membership Development Coordinator-MD Faruk Hossain

Conference Coordinator-Mohammed Imamul Hassan Bhuiyan.



The election was a clear evidence and trust by the members on the vibrant leadership and consistent effort of Dr. Celia Shahnaz in achieving outstanding accomplishment for the section along with the new team.

2. Robo Carnival

Hosted by: BUET Robotics Society

Co- Host: IEEE Bangladesh Section

Venue: BUET

Date: January 18, 2019

Details: IEEE Bangladesh Section and BUET Robotics Society organized "Robo Carnival 2019" at the premises of BUET on 18th January 2019. The event consisted five segments for this year's event to help robotics enthusiasts test out their skills in different fields of robotics' competition. The segments were:

1. **PATHFINDER:** A line-follower robot race for novice enthusiasts of robotics.

2. **INDUSTRIAL AUTOMATION CHALLENGE:** Using robotic vision to autonomously control a mechanical arm to sort objects based on color and/or shape.

3. **PROJECT SHOWCASING:** A platform to display awesome projects with beneficial and revolutionary functions.

4. **COGNITION: Idea Competition:** Innovative ideas to solve particular problems to help mankind is the vision of this segment'.

5. **SOCCER BOT CHALLENGE:** Manually controlled robots fight out in football matches, only in the miniature of forms for everyone to enjoy to the fullest.



The event started with the segment pathfinder at 10:30 am and continued till the prize giving ceremony. There were many distinguished guests present at the carnival and enthusiastic teams from all over the country participated here. The chief guest for Robo Carnival 2019 was the Honorable State Minister, ICT Division, Mr. Zunaid Ahmed Palak M.P. He was present for the Grand Prize Giving Ceremony of the event. There were prizes of worth 300+ BDT in total.

3. AUGMENTATION INITIATIVE IN SEMICONDUCTOR DESIGN AND NEXT-GEN VLSI

Hosted by:

Co- Host:

Venue:

Date:

Details:

4. INTERNATIONAL WOMEN'S DAY CELEBRATION 2019

Hosted by: IEEE Bangladesh Section

Co- Host: WIE Affinity Group, IEEE BDS

Venue: Asia Hotel and Resorts

Date: March 08, 2019

Details: IEEE Bangladesh Section and IEEE Women in Engineering Affinity Group IEEE Bangladesh Section organized "International Women's Day Celebration 2019" at Asia Hotel and Resorts on 8th March. The theme of the event was "Balance for Better".

Anamika Bhakta, Vice President, Robi Axiata Ltd. and current chair of Women in Engineering Affinity Group of Bangladesh moderated the event with the assistance of two vice chairs of the group, Lamia Iftekhar and Raisa Fabiha and the secretary of IEEE Bangladesh Section, Raihanur Rashid. 44 accomplished professionals from more than 22 institutions joined the event. Prof. Dr. Dil Afroza Begum, Member, University Grants Commission of Bangladesh attended the program as the chief guest.



Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh at the outset of the event delivered the welcome speech. She spoke about the vast number of significant activities of WIE Affinity Group in 40 universities of Bangladesh, the arduous efforts of the group to become the best one in the world and the remarkable international

achievements and recognition the group has attained by working for the women in the local community of Bangladesh. She urged everyone to contribute towards retaining this glory.

The honorable chief guest of the event, Prof. Dr. Dil Afroza Begum then delivered her valuable speech focusing on her effort in eliminating gender discrimination in STEM education. Also she marked the significant increase in GDP as the outcome of those struggles which led to form women friendly policies. She expressed her hope that if women are supported by their male-counterparts, rapid increase in economic growth will be possible by 50% GDP contribution from women, which will ultimately turn the country into a developed one by 2041.

The present female guests shared their experience-based opinions about how to ensure "Balance for Better" while imparting technical contribution to help progress the women in the engineering sector in Bangladesh. Among the present female professionals, the notable were Tasneem Tariq, Assistant Professor, Department of Architecture, BUET, Achia Khaleda Nila, Founder and CEO, Women in digital, Afroza Akter, Lead Tech Evangelist at Mentor Nations, Anika Yunus, Professor, department of Water Resource Engineering, BUET, Tamanna Motahar, Advisor of NSU ACM-Women Chapter, faculty members from NSU, Nova Ahmed and Farah Deeba, Nashiyat Fyza, Development Manager, Information Centers on Nuclear Energy (ICONE), Fatema Ahmed Nisha, Assistant Engineer, PDB.

Undergraduate and graduate students from WIE student branches of different universities of Bangladesh including BUET, Dhaka University, North South University, Prime Asia University, University of Liberal Arts, Ahsanullah University of Science and Technology, University of Asia Pacific, East West University, Independent University of Bangladesh, United International University, Bangladesh University of Business and Technology, Institute of Science, technology and trade, Daffodil International University, BAUST, and a number of male engineers from Robi Axiata Ltd., Grameenphone, Teach for Bangladesh, Bangladesh Power Development Board, Dhaka Power Distribution Company, Energypac Engineering Ltd., Banglaphone were also present in the event. The present successful women engineers motivated the students to stay focused to achieve the dream goals of life. They also thanked the present male engineers for their support to mark the International Women's Day.



The struggles experienced by a woman engineer, the identified problems and their technical and realistic solutions have been well discussed among the present guests, thereby making the event a grand success.

The event ended with a group photo and cake cutting as a part of celebration of International Women's Day 2019. Prof. Dr. Celia Shahnaz proposed vote of thanks to the event moderator and the guests. She requested everyone to encourage other women in their success. Everybody in the event reckoned that the event would inspire women engineers to become more dynamic to contribute to the development of the nation and to achieve international recognition.

5. IEEE Bangladesh Section Student Branch Ex-Com Summit

Hosted by: IEEE Bangladesh Section

Co- Host: IEEE BDS Student Activities Committee

Venue: Asia Hotel and Resort

Date: March 29, 2019

Details: IEEE Bangladesh Section along with IEEE Bangladesh Section Student Activities Committee organized IEEE Bangladesh Section Student Branch ExComs' and Counselors' Summit 2019 on March 29, 2019 from 2:30 PM to 9:30 PM at Asia Hotel and Resort, Dhaka.

Student Branch Chairs, Student Branch Women in Engineering Affinity Group Chairs and Student Branch Counsellors of 34 Student Branches of IEEE Bangladesh Section from all over the country were present in this prestigious event to represent their Branch, showcase their activities of the past one year and to attain guidelines from the Section regarding their activities and development. The presentations were judged by the ExCom members of IEEE Bangladesh Section.

The event started with the Student Branch Chairs presenting their posters, containing the best practices of their branches' activities throughout the year 2018 in front of all. Following that, the inaugural speech was presented on "Leveraging Impactful Technology for the benefit of humanity through IEEE Engagement: IEEE BDS and SIGHT vision 2019" by Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section and Communications Chair, IEEE SIGHT Steering Committee. She emphasized the function of SIGHT for bringing an impact on humanity.



The Section Chair's speech was forsooth a literal guideline towards the ExCom Members of the Student Branches, showing them the vast windows of opportunities of organizing quality events, collaborating with the Section and the Region. She invoked the achievements and awards gained by IEEE BDS in the recent past in an inspiring peroration. The speech on "IEEE Student Branch Planning, Event Reporting and Documentation" was delivered by Raihan Ur Rashid, Secretary, IEEE BDS. The Secretary's speech was a live presentation of the stipulations of the Officer Reporting by the Student Branch Representatives. Following that, Wordh Ul Hasan on behalf of Shams Shad Islam Khan, Student Activities Coordinator, IEEE BDS delivered a speech on "IEEE Student Competitions, Benefits, Awards and Recognition", pointing out the recognitions, awards and achievements of IEEE Bangladesh Section in the recent past. The event continued after a snack break with the speech of Abhijit Biswas, Treasurer, IEEE BDS, on "IEEE Financial Reporting and Other Best Practices". His speech was a rejoinder to the queries of the Branches' funding, Rebates and apprised the attendees of IEEE attributes like Member-Get-a-Member benefits.

The following session, which was focused on Social Impact Analysis of Humanitarian Technology Projects, was conducted by Professor Dr. Shaikh Anowarul Fattah, Education Chair, IEEE Humanitarian Activity Committee (HAC).

Nine sessions, introducing and providing brief information regarding the nine technical chapters of IEEE Bangladesh Section were presented after that which were all followed by instant pop-up quiz sessions. Top three participants, scoring highest in the quiz contest were awarded in the event right after the sessions ended.

The four award winners from IEEE Bangladesh Section at the IEEE R10 SYWL Congress 2018 were honored and recognized in front of the SB representatives to inspire them to achieve the benchmark the winners created.

The Student branches were then called upon to award the Rebates that were authorized to them from IEEE for reporting of the year 2018. Apart from this, each participant was awarded travel grants and they all gathered to get into the giant group photo with the Section and IEEE BDS YP ExCom members.

6. IEEE Bangladesh Section Face to Face Meeting with Conference Organizers

Hosted by: IEEE Bangladesh Section

Venue: ECE Building, BUET

Date: March 30, 2019

7. CIU Student Branch Inauguration

Hosted by: IEEE CIU Student Branch

Co- Host: School of Science and Engineering, Chittagong Independent University

Venue: Chittagong Independent University

Date: April 04,, 2019

Details: On April 04, 2019, IEEE CIU Student Branch was inaugurated at CIU Tech Fest 2019, where notable guests from IEEE Bangladesh Section and Faculty Members from Chittagong Independent University were present. The day long program featured Inter-School College Project Competition, Intra University Project Idea Contest, Intra University Project Showcasing, Rubik's Cube Corner and Gaming Corner.

IEEE CIU Student Branch is inaugurated in a session in the evening. Distinguished guests who made the event glorified was:

Prof. Dr. Mahfuzul Hoque Chowdhury, VC, CIU

Mr. Towhid Samad, Chariman, BOT, CIU

Engr. Ali Ahmed, Member BOT, CIU

Prof. Dr. Celia Shanaz, Chair, IEEE BDS

Prof. Dr. Mohammad Moshiul Hoq, Technical Vice Chair, IEEE BDS

Prof. Dr. Rezaul Hoque Khan, Dean, SSE, CIU

sion, Mr. Zunaid Ahmed Palak M.P. He was present for the Grand Prize Giving Ceremony of the event. There were prizes of worth 300+ BDT in total.



8. WORLD HEALTH DAY CELEBRATION 2019

Hosted by: IEEE Bangladesh Section

Co- Host: WIE Affinity Group, IEEE BDS

Venue: ECE Building, West Palashi Campus, BUET

Date: April 07, 2019

Details: The IEEE Bangladesh Section and IEEE Women in Engineering Affinity Group, IEEE Bangladesh Section and IEEE SIGHT organized” World Health Day 2019 Celebration” at ECE Building, West Palashi Campus, BUET on 7th April. The theme of the event was “Universal Health Coverage: everyone, everywhere”.

Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh moderated the event. 39 accomplished professionals from more than 13 institutions joined the event. Rumana Ali, Member of the Parliament, People's Republic of Bangladesh, Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh, Dr. Fariha Haseen, Associate Professor, Dept. of Public Health and Informatics, BSMMU, Dr. Samsad Jahan, Assistant Professor, Shaheed Suhrawardi Medical College, Dr. Tanzina Hossain, MD, Medical Oncology attended the program as honourable speakers to make this event a success.

At the very beginning, Dr. Samsad Jahan, Assistant Professor, Shaheed Suhrawardi Medical College, enlightened the participants with the importance of health Screening (checking blood pressure, height,



weight, cholesterol, diabetes on a regular basis). Then she discussed the basic rules of staying healthy and today's most serious and common disease Depression.

The honorable second speaker, Dr. Tanzina Hossain, MD, Medical Oncology, introduced the participants with the causes and symptoms of different types of cancer and of course about cancer prevention and the importance of raising public

awareness. She also clarified that early detection can help in complete cure of some cancers. Her remarkable speech broadened the participants' horizon regarding cancer.

Dr. Fariha Haseen, Associate Professor, Dept. of Public Health and Informatics, BSMMU, went next as the third speaker and gave an overview on SDG(Sustainable Development Goals) and Health, Mental illness caused by depression and anxiety and Potential Mental Health Issue. Her short but extraordinary speech helped the group to understand the severity of mental illness caused by depression and anxiety.

Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh in her speech pointed out the achievements of her students in constructing some outstanding projects, done under her supervision, which can change the health of general mass in great ways. She demonstrated the design and implementation of - Auto-HRID: Automated Heart Rate Monitoring and Injecting Device with Precise Vein Detection, Stetho Phone: Low-cost Digital Stethoscope for remote Personalized Health Care and Smart Hat, safe and smooth walking Assistant for Elderly People. She also apprised the group that these projects are cost effective and very much appropriate for a developing country like Bangladesh.

As the fifth speaker, honorable Rumana Ali, Member of the Parliament, People's Republic of Bangladesh, took the floor and appreciated the whole initiative. She was very impressed with the whole organizing committee and the participation of so many professionals. Rumana Ali as the representative of the Parliament gave all the hopes that she will try to take as much initiative as possible to give the projects pointed out by Prof Dr. Celia Shahnaz justice and she will try to make them reachable to the general mass for use. She hopes engineers and doctors can come together more often with the motive of improving the lives of normal people.



Among the present professionals, the notable were Dr. Sanjida Hasan, Expert in Public Health and Population, Dr. Shaikh Anowarul Fattah, Professor, Department of Electrical and Electronic Engineering, BUET, Dr. Bobby Barua, Associate Professor, Department of Electrical and Electronic Engineering, Ahsanullah University of Science and Technology, Anika Yunus, Professor, department of Water Resource Engineering, BUET, Shakila Yasmin, Associate Professor, Institute of Business Administration, University of Dhaka.

Undergraduate and graduate students from WIE student branches of different universities of Bangladesh including BUET, North South University, Prime Asia University, University of Liberal Arts, Ahsanullah University of Science and Technology, University of Asia Pacific, Independent University of Bangladesh, Institute of Science, technology and trade, and a number of male and female engineers from Robi Axiata ltd, Energypac Engineering ltd., Summit Communications Ltd. were also present in the event. The event enlightened everyone about the importance of Universal Health Coverage, a growing political movement to make health outcomes more equitable and health systems more resilient.

At the end, Anamika Bhakta, Vice President, Robi Axiata Ltd. and current Chair of Women in Engineering Affinity Group of Bangladesh proposed vote of thanks to the speakers.

9. IFSEC Bangladesh 2019

Venue: ICCB

Date: April 20, 2019

Details: Dr. Shaikh Anowarul Fattah and Dr. Celia Shahnaz were the Panelist in IFSEC Bangladesh 2019.

Dr. Celia Shahnaz shared her views and Focused on Voice based Banking access control, ECG based Human identification, RFID based Participant record, AI based Traffic and incident prediction, IOT based Jaundice detection for health monitoring, Local material and technology based clean water For Rohingya Refugee and many other real life projects that can create impact on Local community to ensure a secured, smart and convenient life.

Dr. Shaikh Anowarul Fattah delivered a talk on use of AI and Machine learning to build secured Smart City during the panel session at IFSEC Bangladesh 2019



10. Interactive Forum: IEEE SSIT BD Chapter

Hosted by: IEEE Bangladesh Section

Co- Host: IEEE SSIT BD Chapter

Venue: Chef's Table, Gulshan, Dhaka

Date: April 22, 2019

Details: IEEE Society for Societal Implications of Technology (SSIT) BD Chapter organized an interactive meeting with Dr. Greg Adamson, chair of the IEEE Standards Association Special Interest Group on Blockchain on 22 April 2019 at Chef's Table, Gulshan, Dhaka. The meeting was presided by Dr. Shaikh Anowarul Fattah, Education chair, IEEE Humanitarian Activities Committee (HAC) and Nomination and Appointment Chair, IEEE Bangladesh Section and Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section. Members of the IEEE SSIT BD chapter joined the meeting as well. The hour-long meeting focused on current and future initiatives and work plans of the IEEE SSIT BD chapter. Plannings regarding several ongoing and future projects like "Bringing back life to Rohingya", "Telemedicine Center for Tribal Women Healthcare in Hill Tracts Community in Bangladesh" were discussed in the meeting. Legal frameworks of AI, Standard committee etc were also discussed in the meeting.

11. IEEE PES Day Celebration 2019

Hosted by: WIE Affinity Group, IEEE BDS

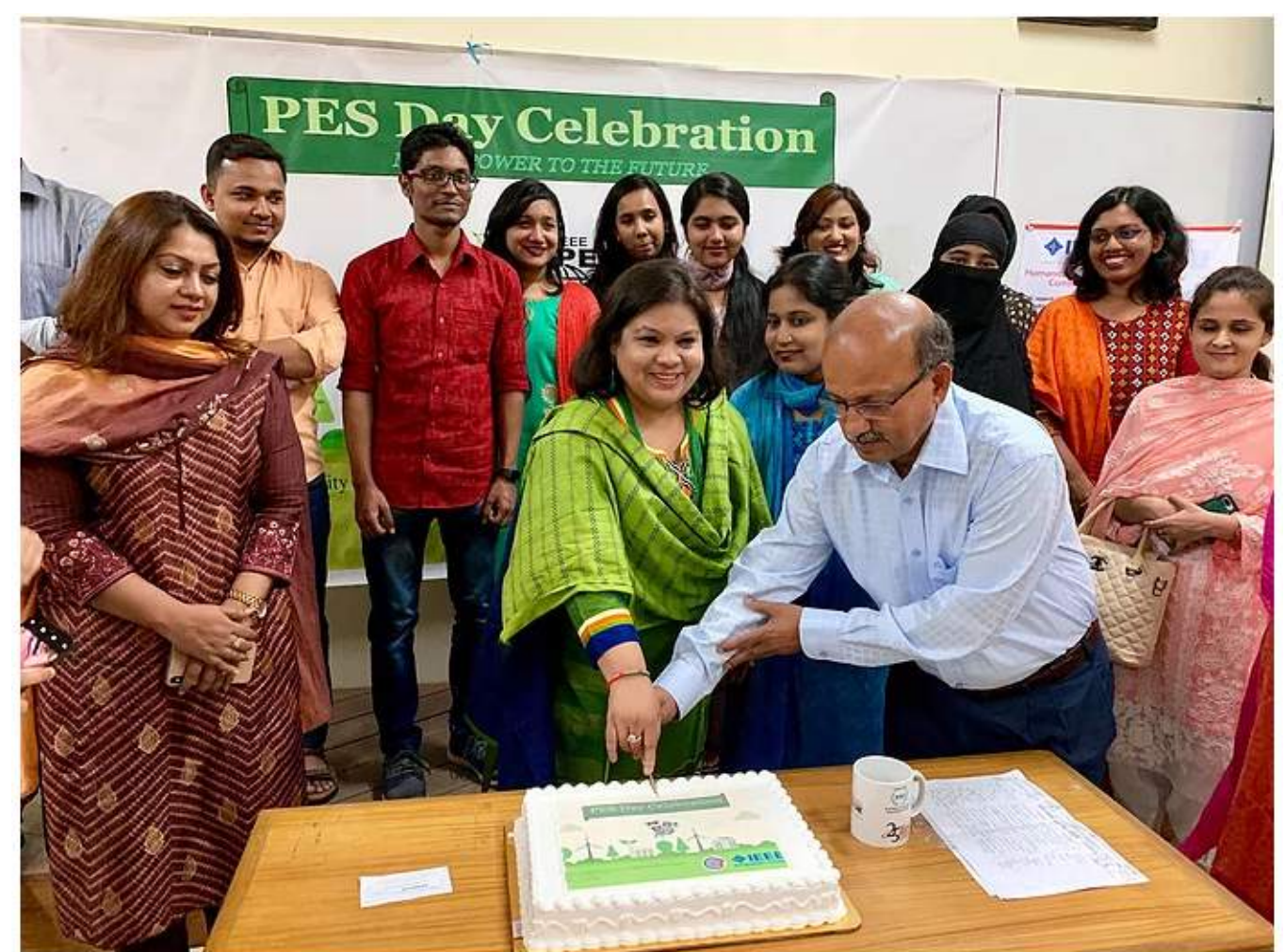
Co- Host: IEEE Bangladesh Section, PES IEEE BUET Student Branch Chapter

Venue: BUET

Date: April 27, 2019

Details: IEEE Bangladesh Section along with its Women In Engineering Affinity Group as well as Power and Energy Society, IEEE BUET Student Branch Chapter celebrated the second global IEEE PES Day on 27th April at BUET. The event started at 4:30 with Professor Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section, welcoming everyone and informing the audience about the history of Power and Energy Society.

After the interactive and informative introductory session by Prof. Celia, the first guest speaker Ms. Zarifa Khatun took the stage. Ms. Zarifa Khatun, Executive engineer, Bangladesh Power Development Board (BPDB) talked about the recruitment process at BPDB, the role she plays in the planning division of the organization, how her department is helping the government achieve the goal “Electricity for everyone- by 2021” and will help achieve “Reliable and Quality Power”, how demand forecast for the fiscal year correlates with the annual national budget etc. For the young engineers to-be, she shed some light upon the various power sector companies that are going to recruit a large number of engineers in the near future. She also discussed PhD opportunities for those who want to study abroad but come back to the country to further serve the nation.



Prof. Celia suggested some improvements that can be incorporated in our power sector, so that research-oriented students are also attracted by it, such as, creating internship opportunities, implementation of A.I, pattern recognition in this field etc. Next, she invited the honorable Managing Director of EGCB (Electricity Generation company Bangladesh Limited), Mr. Arun Kumar Saha to the dais. Mr. Saha discussed his very dynamic career till now and elaborated on two of the monumental decisions he was involved in that changed the whole portrait of power sector in Bangladesh. One was the decision to use oil as fuel instead of allowing load shedding and the other was importing power from India through cross-border HVDC connection in 2009. He then proceeded to discuss the current scenario in the power sector of Bangladesh including generation capacity and future plans to achieve government-imposed goals and beyond. The esteemed speaker held everyone rapt as he continued to discuss the impact of an improved power sector on GDP and described the company he led. He ended his speech with heartfelt words of advice to the young engineers present – to build up their careers and end the scarcity of skilled manpower in our country. His keynote speech was followed by an interactive question-answer session.

Professor Dr. Shaikh Anowarul Fattah, member of Long-Range Planning Committee of IEEE PES and Education Chair of IEEE Humanitarian Activity Committee (HAC), provided valuable information regarding the long term plans of IEEE PES, mentioning Ms. Zarifa Khatun, Executive engineer, Bangladesh Power Development Board (BPDB) to speak to the audience. Three categories getting the highest priority – energy storage, distributed control and security. He then talked about SCADA being implemented in the various sectors and hence the importance of ensuring cyber-security. Dr. Celia added to the information by emphasizing on the fact that PES is targeting to register corporate members in our country so that, our progress in power sector is show-cased to the whole world.

The next speaker was Ms Tasnuva Binte Anowar, Assistant Engineer, DPDC who mentioned company achievements and milestones in the power sector.



A short break ensued during which the cake to celebrate PES Day was brought in, cut and distributed. Everybody took part in a photo session and enjoyed the refreshment.

Pramiti Anasuya Alam, AGM of Energypac Ltd, captivated the listeners with a video-clip showing her company's progress and products, then charting a comparison of female participation among different departments of their company. She projected how female participation can be increased in their company and appealed for more female engineers to get more involved. She also asserted that they were a very female friendly employer. An interesting informal discussion followed on how industry owners such as Energypac can contribute to provide students with openings such that they can solve various problems through internship opportunities and open competitions.

Farah Nazifa, Data Analyst of SOLshare shared explained how she joined and contributes to the energy sector as a Data Analyst. She delivered an overview of the SOLshare and how it provides a sustainable energy solution for rural and remote communities.

Dr. Md. Raju Ahmed, Professor, Department of EEE, DUET, spoke about the scope of his research, the outcomes of his visits to multiple RMG factories, the codes to follow to ensure minimum fire hazards and lightning incidents. He discussed the necessity of proper protection system and urged everyone to consult experts on service design when building any structure.

The event was attended by a total of 41 people, 12 from 12 professional organizations and 29 affiliated to 9 educational institutions.

12. International Girls in ICT Day 2019

Hosted by: IEEE Bangladesh Section

Co- Host: Women in Engineering Affinity Group, IEEE Bangladesh Section

Venue: BUET

Date: 28th April, 2018

Details:

International girls in ICT day was celebrated 28th April at BUET by IEEE Bangladesh Section and IEEE Women in Engineering (WIE) Affinity Group of IEEE Bangladesh section.

Tamanna Islam from INTEL USA, Farah Tanjeem from Grameen Phone and Mahmuda Naznin from the Department of CSE, BUET took place in an interactive Forum and discussion.

It was indeed a great honour to celebrate international Girls in ICT day with the great minds.



13. WePower Track: A World Bank Initiative

Hosted by: IEEE Bangladesh Section

Co- Host: Women in Engineering Affinity Group, IEEE Bangladesh Section

Venue: East West University, Dhaka

Date: May 04, 2019

Details:

IEEE Bangladesh Section along with Women In Engineering Affinity Group as well as IEEE Power and Energy Society Women in Power organized a special session "WePower Track: A World Bank Initiative" on 4 May, 2019 on the occasion of 1st International Conference on Advances in Science, Engineering and Robotics Technology 2019 (ICASERT 2019) at East West University, Dhaka. The session began at 4:45 pm with a welcome speech and introductory session conducted by Professor Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section.

After that, the first guest speaker, S. M. Noor Uddin, Chief Executive Officer & Director of Summit Bibiyana Power Co. Limited and Managing Director of Summit Sangu Power Co. Limited., took the stage and discussed the possibilities for the development of women entrepreneurship. He highly encouraged women to come forward with innovative ideas to start a business. His speech was followed by an interactive question-answer session. Prof. Celia added that female engineers can perform better than others in tech-related businesses as they had already gained the technical knowledge. She urged all women engineers of Bangladesh that they should engage not only themselves but also other female members in their family to entrepreneurship. In this regard, she provided examples of some business ideas such as transformers, solar lamp business etc. .



The next speaker was Afroza Afrin, an Executive Engineer from Power Grid Company of Bangladesh Limited. Ms. Afroza spoke about the struggles in the journey to her current position, she motivated everyone to have strong determination, an important criterion to be successful in their career. Another female engineer named Mahfuza Afroz from Power Grid Company of Bangladesh Limited also spoke at this event. She shared her experience about different power stations as she had visited most of the power plants of Bangladesh. Apart from this,

she shared the story of how she prepared herself for the competitive job exam. Afterwards, Mst Sabina Sultana, who works in Grameen Shakti, inspired everyone to come up with successful start-up ideas through her speech.

A short break ensued when everybody took part in a photo session and enjoyed the refreshment. Lastly, the participants took part in a quiz competition about power and energy. The purpose of this quiz was to make this event more interesting as well as to grow the interest of the participants for working in the power sector.

The event was attended by a total of 24 people, 5 from professional organizations and 19 affiliated to different educational institutions.

14. ICASERT Robofest 2019

Hosted by: Department of Computer Science and Engineering, EWU and Japan-Bangladesh Robotics and Advanced Technology Research Center (JBRATRC)

Co- Host: IEEE Bangladesh Section and IEEE Robotics and Automation Society Bangladesh.

Venue: East West University

Date: May 3-5, 2019

Details: Department of Computer Science and Engineering, EWU and Japan-Bangladesh Robotics and Advanced Technology Research Center (JBRATRC) collaborated together to organize this conference. ICASERT 2019, which happened to be one of the largest technical events on Advances in Science, Engineering and Robotics Technology in Bangladesh. This conference aimed to provide a unique

opportunity for the professionals, scientists, engineers, educators, researchers and students from all over the world to exchange their scientific ideas, views and thoughts with fellow researchers and participants. All accepted and registered papers were sent to IEEE for uploading in its Digital Library. Extended version of the selected papers was published at International Journal of Machine Learning and Networked Collaborative Engineering. International ROBOFEST 2019 was also held in conjunction with this conference.

Senior IEEE Fellows, Prof. Dr. Vincenzo Piuri, Italy and Prof. Dr. Tadashi Matsumoto, Japan, served as General Chair of Technical Committee and General Co-Chair of Organizing Committee, respectively.

This event was technically co-sponsored by IEEE Bangladesh Section and IEEE Robotics and Automation Society Bangladesh.



15. Seminar on Bio inspired Sensors and IOT: Challenges and Opportunities

Hosted by: IEEE BUET Student Branch

Co- Host: IEEE Bangladesh Section

Venue: Room no. 627 of ECE Building, BUET.

Date: May 15, 2019

Details: IEEE BUET Student Branch in association with IEEE Bangladesh Section, IEEE BUET Student Branch, IEEE Robotics & Automation Society BUET SB Chapter, IEEE Signal Processing Society, BUET SB Chapter and IEEE Engineering in Medicine & Biology BUET SB Chapter organized a technical talk on "Bio Inspired Sensors & IoT: Challenges & Opportunities". The event was held at Room no. 627 of ECE Building, Bangladesh University of Engineering & Technology on May 15, 2019.

The speaker of the event, Dr. Khan Arif Wahid is a Professor of Department of ECE, University of Saskatchewan, Canada. He has founded a rapid prototyping facility named "Multimedia Processing and Prototyping Laboratory" for design, develop and performance analysis of digital systems in image and video processing and medical imaging applications.



The talk started at 2:00 PM sharply. To make the talk more interactive, the speaker conducted the whole session in a semi-formal way. At first, he gave a small brief on why to choose biomedical sector for research purpose, opportunities and difficulties a researcher may have.

Later he portrayed how Bio-sensors are made and discussed their classifications, how they work, limitations over them, histogram analysis, how IoT is making things easier etc. He specially emphasized on learning Artificial Intelligence and Augmented Reality. Then the speaker shared his research experiences of his works. After that, a Q&A session took place.

The talk lasted for about one & a half hours. The Head of EEE Department, BUET, Dr. Md. Shafiqul Islam handed over a souvenir to the speaker as a token of appreciation for his wonderful presentation. A small token of appreciation was also handed to Dr. Md. Shafiqul Islam by Dr. Shaikh Anowarul Fattah, Professor, EEE, BUET. There was a group photo session afterwards.

At about 4:00 PM, the event came to an end.

16. IEEE Bangladesh Section Meet the Media and Iftar

Hosted by: IEEE Bangladesh Section

Co-Hosts: IEEE BDS Women in Engineering (WIE) Affinity Group

Venue: Seminar room, BUET Auditorium Complex

Date: 25th May, 2019

Details: IEEE Bangladesh Section and Women in Engineering (WIE) Affinity Group jointly arranged Meet the Media and Iftar to share the vision and objectives of IEEE Bangladesh Section on Saturday, May 25, 2019 at BUET.

17. Campaign for Smart City in Bangladesh

Hosted by: IEEE Bangladesh Section

Venue: Corporate office, Robi Axiata Limited

Date: 30th May, 2019

Details: IEEE Bangladesh Section has officially launched its one of the largest new initiatives of 2019 'Campaign for Smart City in Bangladesh' on May 30, 2019 at Robi Corporate Office with the slogan: 'Smart thinking and smart technology for achieving a smart city for smart Bangladesh'

The Keynote Speaker of this event was Professor Dr. Saifur Rahman, President, IEEE Power and Energy Society and Professor, Department of ECE, Virginia Tech, USA



The other speakers of the event were

Shihab Ahmad, Chief Digital Services Officer, Robi Axiata Limited

Prof. Dr. Khan Arif Wahid, Professor, Department of ECE, University of Saskatchewan, Canada

Dr. Asif Islam Khan, Asst. Professor, School of ECE, Georgia Institute of Technology, USA

Professor Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section and Professor Dr. Shaikh Anowarul Fattah, Ex-Chair and current N&A Chair (2017-2019), IEEE Bangladesh Section presented the road map for the campaign

Six Team Leads, 40 Ambassadors and their teammates presented their concepts of the Smart City

18. IEEE Bangladesh Section Volunteer Social Meet Up and Iftar

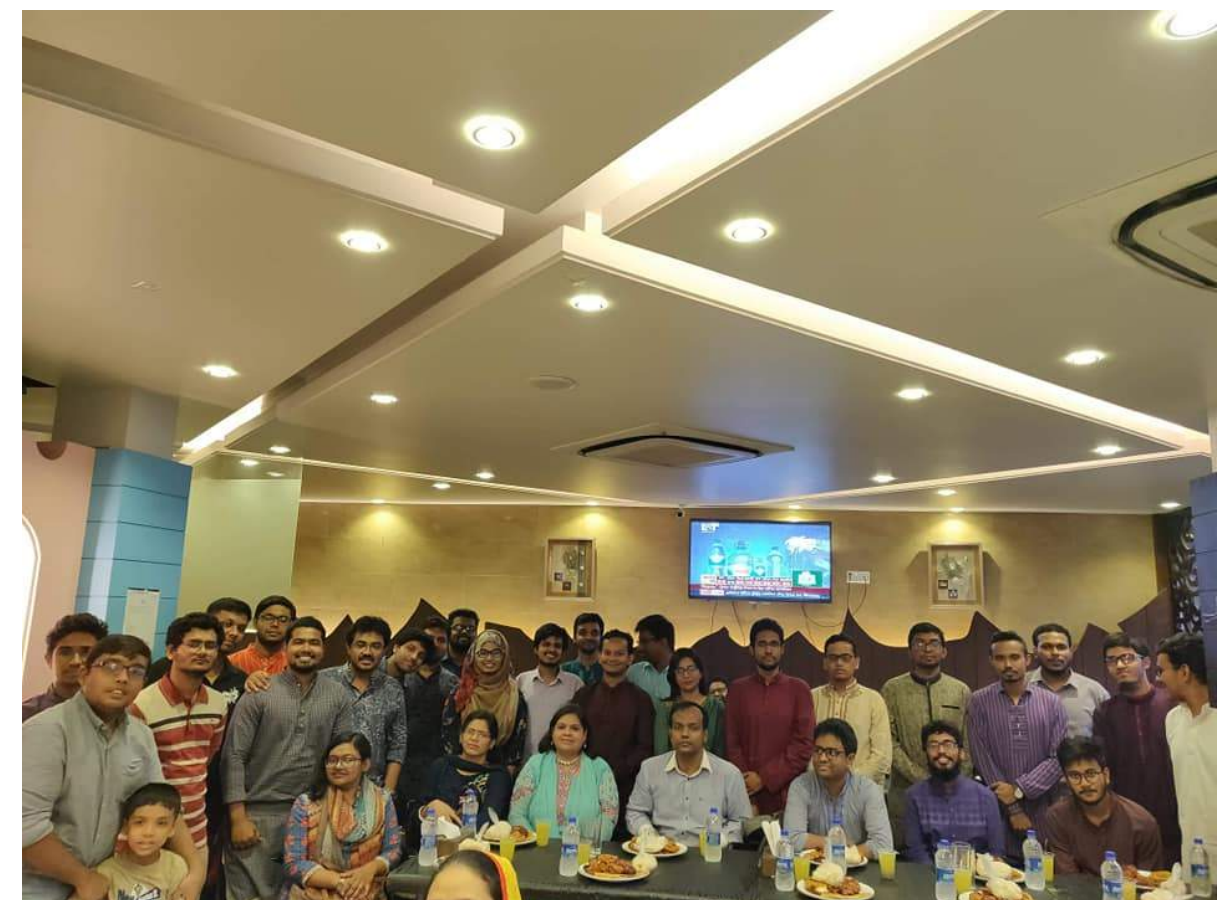
Hosted by: IEEE Bangladesh Section

Venue: Nawabi Bhoj, Lalbagh

Date: 2nd June, 2019

Details: IEEE Bangladesh section organized a social volunteer meet up followed by iftaar on 2nd June 2019. There were 32 recent graduates, faculties, professionals, entrepreneurs and couple of undergraduate students who are involved with research/projects.

Professor Dr. Shaikh Anowarul Fattah, Director, Institute of Nuclear Power Engineering was present in the program and Professor Dr. Celia Shahnaz, Chair IEEE Bangladesh Section were present in the event and interacted with the students about their future research projects and encouraged the undergraduate student for developing their leadership skills.



19. South East University EEE Orientation program and Student branch inauguration

Hosted by: South East university EEE Department and IEEE South East University Student Branch

Co- Host: IEEE Bangladesh Section

Venue: South East University

Date: 17th June, 2019

Details: EEE Department of SEU Organized Freshers' Reception & Orientation Program

The other speakers of the event were

Shihab Ahmad, Chief Digital Services Officer, Robi Axiata Limited

Prof. Dr. Khan Arif Wahid, Professor, Department of ECE, University of Saskatchewan, Canada

Dr. Asif Islam Khan, Asst. Professor, School of ECE, Georgia Institute of Technology, USA

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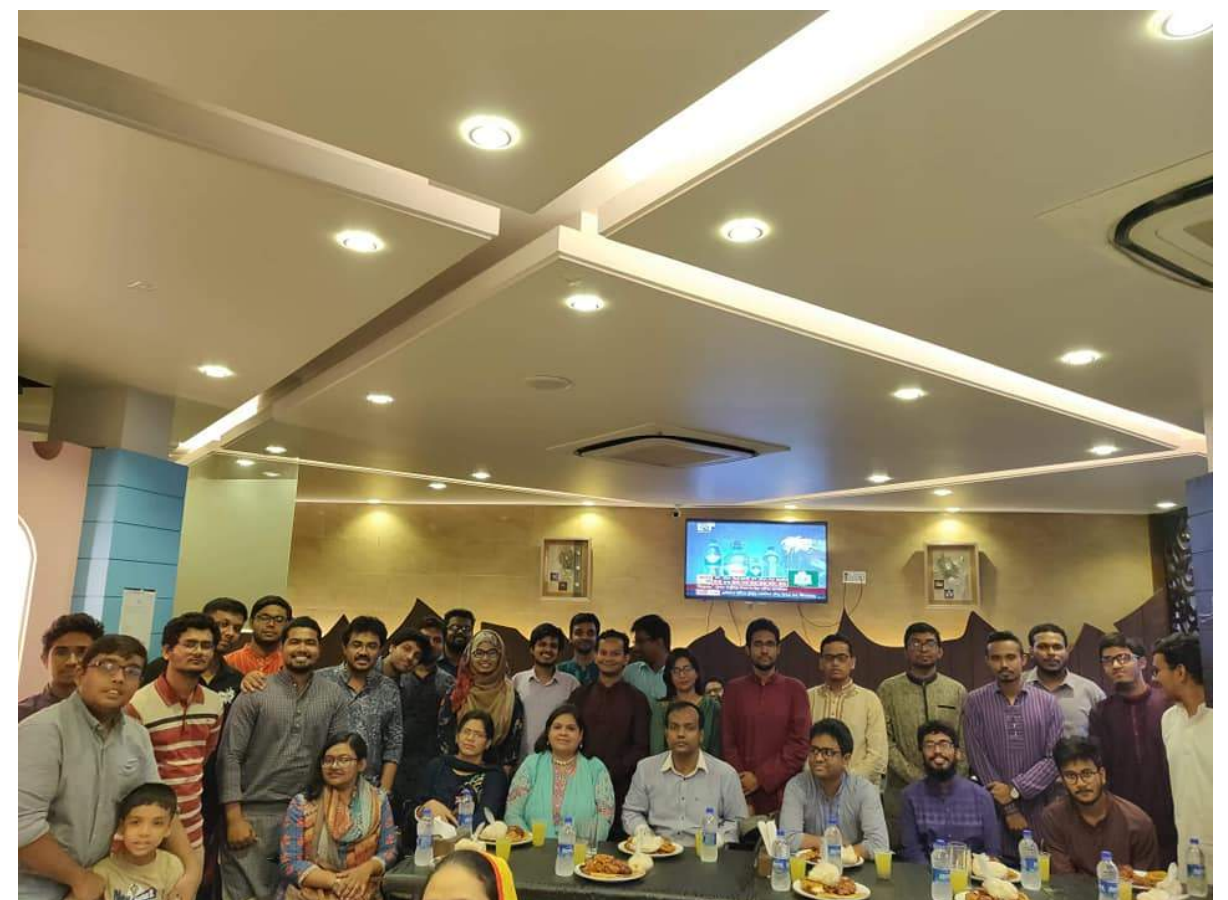
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19. South East University EEE Orientation program and Student branch inauguration

Hosted by: South East university EEE Department and IEEE South East University Student Branch

Co- Host: IEEE Bangladesh Section

Venue: South East University

Date: 17th June, 2019

Details: EEE Department of SEU Organized Freshers' Reception & Orientation Program

Freshers' Reception & Orientation Program of the newly admitted students of Electrical & Electronic Engineering Department (EEE) for Summer Semester 2019 under the School of Science & Engineering (SSE) of Southeast University (SEU) was held on 17 June 2019 at the SEU Permanent Campus, Tejgaon, Dhaka.

Prof. Dr. ANM Meshquat Uddin, Vice Chancellor of SEU chaired the program while Dr. Shaikh Anowarul Fattah, Professor, BUET and Director, Institute of Nuclear Power Engineering was present in the program as Chief Guest. Maj Gen Kazi Fakhruddin Ahmed (Retd), Registrar of SEU welcomed newly enrolled students. He discussed about rules, regulations and facilities of the University. Mr. Ashraful Ahsan Khan, Principal of Cambrian School and College attended the program as Special Guest. Prof. Dr. Muhibul Haque Bhuyan, Chairman, EEE Department, SEU introduced respective faculty members to the students. Prof. Dr. AFM Mafizul Islam, Advisor to BoT and Head of BoT Office conducted a presentation session in the program describing SEU's vision, mission and future goal.

Among others, faculty members, officials, newly enrolled students and their guardians were present in the program.

20. IUB EEE DAY 2019

Hosted by: IEEE IUB Student Branch

Co-Host: IEEE Bangladesh Section

Venue: Independent University, Bangladesh

Date: 3rd- 4th April, 2019

The annual event of the department of electrical and electronics engineering, EEE Day, was hosted on the 3rd of April, 2019, by IEEE IUB student branch at IUB campus. This year the event was held at a national level and was prolonged for a period of two days, the 3rd and 4th of April, and included events that encouraged participation of not only universities but also schools and colleges. Several well-known institutes across the country took part in this event, making the EEE Day this year a very successful event.

The event started on 3rd April at 10:00 a.m. with the inauguration ceremony. Dr. Md. Anwer, dean of the school of science and engineering, [Dr. Khosru M. Salim](#), head of department of EEE, and Dr. Mustafa Habib Chowdhury, IEEE IUB student branch counselor, gave their invaluable speech regarding the event. Following the inauguration were several events of the day, which includes project showcasing, seminar on "Women for Life", poster presentation, as well as competitions held which included Line-Following Robot competition, Robo Race, MATLAB contest and PUBG competition, with which the day-long event ended at 5:00 p.m.

The second day of the event started with the Programming contest, an event which received vast response from multiple institutes and included more than 100 participants. The following event was Rubik's Cube contest which also received great response, with majority of the participants being from schools and colleges. The day also included a seminar on "Scientific Problem Solving and Opportunity to Work with NASA" where the guest speaker was Mr. Ariful Hasan Opu, founder of Bangladesh Innovation Forum and chief of NASA Solver Bangladesh. As the day reached its end, the closing ceremony was held where the winners of the respective competitions were given their prizes and certificates. The guests present in the closing ceremony were Prof. Milan Pagon, Pro-Vice Chancellor of IUB, Mr. Ariful Hasan Opu, founder of Bangladesh Innovation Forum and chief of NASA Solver Bangladesh, and Ms. Tahmina Afrose, Director of Walton Group. Following the closing ceremony was the Cultural Evening, where intriguing performances were made by members of IUB music club as well as the guest performer of the day, the band Mizan and Brothers, who joined the event later in the evening. After DJ show and Alumni dinner, the two-day long event of EEE Day 2019 finally came to a close.



More than 600 participants registered for the EEE Day event this year, a number which was not seen previously in this event. Thanks to the student committee and activists committee of IEEE IUB Student Branch, as well as respected Faculty members and all other volunteers who worked hard day and night for the event, the EEE Day 2019 was made successful to a grand scale.

21. 2nd International Conference on Electrical, Computer and Communication Engineering (ECCE 2019)

Hosted by: Faculty of Electrical & Communication Engineering (ECE), CUET

Technical Co-sponsor: IEEE Bangladesh Section

Venue: Cox's Bazar, Bangladesh

Date: 7th- 9th April 2019

Details: In the advancement of technology, Electrical, Computer & Communication Engineering has an outstanding contribution. The 2nd international conference on Electrical, Computer & Communication Engineering (ECCE 2019) has been organized by the faculty of Electrical & Communication Engineering (ECE) of Chittagong University of Engineering Technology (CUET) on 7th to 9th February 2019. This conference has been arranged in Cox's Bazar, Bangladesh which is one of the most visited tourist destination in Asia.

The main motive of this conference is to bring together the leading academics, scientists, researchers, scholars in different fields of Electrical, Computer & Communication Engineering around the world so that they can exchange new ideas, share knowledge as well as explore recent developments. Scarcity of jobs and creation of new jobs will be key challenges for the next decades. So alternative is the only way to survive. ECCE 2019 has a specific focus on these recent trends and advancement of innovations.

A committee has been formed in CUET where chief patron is our honorable vice-chancellor Prof. Dr. Mohammad Rafiqul Alam. Besides in the organizing committee, Kaushik Deb from CUET is the Organizing chair. Organizing co-chair is Quazi Delwar Hossain, Mohammad Shamsul Arefin, Muhammad Ahsan Ullah from CUET. Organizing secretary is Mohammad Rubaiyat Tanvir Hossain. On the other hand, in the technical committee, the chair is Mohammad Moshiul Hoque and secretary is Md. Azad Hossain.

The call for papers ECCE 2019 attracted 812 full paper submissions from Bangladesh, Australia, United States, Canada, Malaysia, Korea, India, Nepal, Somalia. The acceptance rate of paper is 33.62% where 127 are selected for oral and 120 are selected for poster presentation based on the track chair recommendation. Accepted and presented papers will be submitted to IEEE Xplore for archiving.

EECE 2019 invites papers from all areas of electrical, computer and communication engineering. The topics of interest include circuits and systems; power electronics, machine & drive; robotics control and automation; communications and signal processing; image processing, computer vision and multimedia, VLSI & embedded system; Cybersecurity, big data, cloud computing; biomedical engineering; E-commerce & E-Governance and so on.

Nowadays the demand for new technologies and innovations with new design and applications in every sphere of life is growing and updating very quickly. Considering the fact in mind that Electrical, Computer and Communication Engineering contribute significantly to the advancement of technology. It plays a vital role in the recent technological developments, modernizing and improving the quality over lives with continuous research and investigation, transfer of technology and dissemination of knowledge, etc.

22. Seminar title "Lightning Protection System Design for Structures: Challenging Issues

Hosted by: IEEE Leading University Student Branch

Co-hosts: IEEE Bangladesh Section and the Department of EEE, Leading University

Date: 15th April 2019

Venue: Leading University, Sylhet

Details: A seminar on ‘Lightning Protection System Design for Structures: Challenging Issues’ was organised by IEEE Leading University Student Branch on 15th April 2019 in collaboration with IEEE BANGLADESH SECTION and the Department of EEE, Leading University. Professor Dr. Md. Qumruzzaman Chowdhury, Honorable Vice Chancellor of Leading University was the Chief Guest.

Professor Dr. Md. Raju Ahmed, Dhaka University of Engineering and Technology (DUET). Publicity Coordinator, IEEE BANGLADESH SECTION was the Keynote Speaker of the seminar.



As special guest Honorable Deans of different faculties, Registrar and Head of the Department of EEE, Leading University were present there.

The seminar was chaired by Mr. Niaz Morshedul Haque, Lecturer, EEE & the Counselor IEEE Leading University Student Branch.

Al-Shahria Mahmud, Chair, IEEE LUSB, delivered the welcome speech and Fahim Ahmed Hamim, Secretary, IEEE LUSB was the host of the seminar.

23. EEE DAY 2019 BUET

Hosted by: Department of EEE, BUET

Co-hosts: IEEE Bangladesh Section

Date: 22ND -24TH January, 2019

Venue: ECE Building, BUET

The biggest departmental event of the department of EEE of Bangladesh University of Engineering and Technology called the ‘EEE Day 2019’ was held and observed by the students and teachers alike with great enthusiasm and excitement. The three-day long phenomenon spanned over 22nd to 24th of January and comprised of an array of events filled with versatility and active participation.

Every year EEE Day comes with its vivid colours and display of talent of the students of the EEE department in various spheres. The festival included job seminars, gaming fest, sports tournaments, robotics competition, cultural night and several other events.

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A robotics competition, ‘Robowars 2019’ was held at ECE Premise, BUET on January 24th and was organized by IEEE Robotics and Automation Society (RAS) BUET Student Chapter. The strategic partner for the event was IEEE Bangladesh Section. This was the very first event of IEEE RAS BUET Student Chapter after its emergence on 2018. ‘SUST Robosapiens’ from Shahjalal University of Science and Technology came out on top to claim the crown. ‘ARG Infinity’ from American International University- Bangladesh were the runners-up of the event.

IEEE Bangladesh Section also supported the organizing of a job seminar where Ulkasemi, Bkash and Summit Communication Limited carried out a campus recruitment campaign.

An online MATLAB Contest powered by IoT for Bangladesh was also organized alongside the events. All the events were supported by IEEE Bangladesh Section.

Another regular event of EEE Day is the Inter University Project Showcasing Competition. This event was organized by IEEE BUET Student Branch with the support of IEEE Bangladesh Section. 20 teams and 80 participants from different universities participated in the project show in two different categories. 4 teams were awarded with certificates and prize money in the award giving ceremony.

A poster presentation competition was also held at the final day of the EEE Day managed by IEEE WIE BUET. There were 18 teams each comprising of 3 members. The topics of the poster included humanitarian, social safety related projects.

For the first time in the history of EEE Day EEE olympiad was organized by IEEE BUET IAS, EDS, SPS, EMBS, PES Chapter. More than 50 participants from different universities participated in the event.

The conclusion of this massive festivity was marked with a grand cultural night where the students showed their prowess in performing a diverse set of entertaining acts.

Society Activities



IEEE EDS/SSCS Joint Chapter

1. The Annual General Meeting 2018 and Executive Committee Election 2019 of IEEE ED/SSCS Bangladesh Chapter

The event was held at the Dept. of EEE, BUET. Heartfelt gratitude to Prof. Dr. Shaikh A. Fattah, 2018 Nominations and Appointment Chair and 2015-16 Chair of IEEE Bangladesh Section, for gracing the event with his presence as the Election Commissioner.



2. Talk on Ferroelectric and antiferroelectric oxides in the era of hyper-scaling

IEEE ED/SSCS Bangladesh Chapter and Dept. of EEE, BUET successfully organized a technical talk presented by Dr. Asif Islam Khan, Assistant Professor, Georgia Institute of Technology. Heartfelt gratitude to Dr. Khan for his time and an enthusiastic talk on his research. Prof. Md. Shafiqul Islam, Head, Dept of EEE, BUET cooperated in organizing this event. Prof. Celia Shahnaz, Chair, IEEE Bangladesh Section and Prof. Shaikh A. Fattah, Chair, IEEE EMBS Bangladesh Chapter and ex-Chair IEEE Bangladesh Section also joined the event.



IEEE Power and Energy Society Bangladesh Chapter

1. IEEE PES DAY CELEBRATED BY IEEE BRACU SB

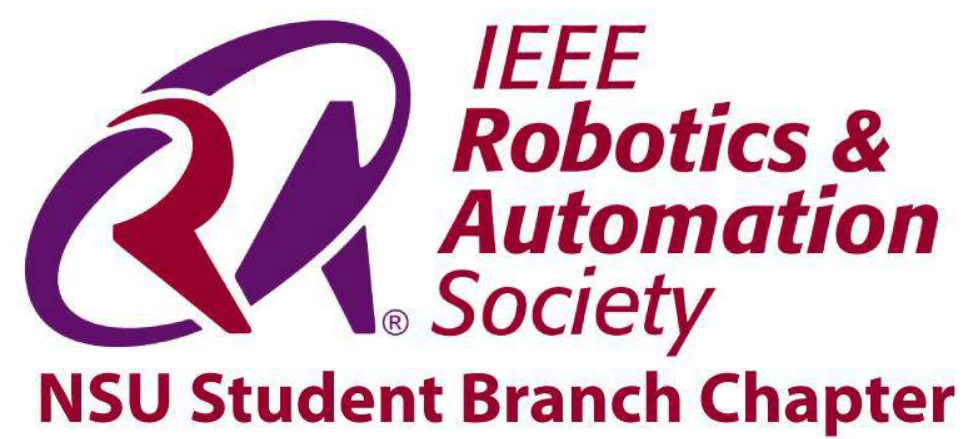
Brac University celebrated their very 1st PES Day on this 24th April. The day was full of delight, glory and wonderful events. The day had many fun and engaging sessions such as Speeches from both the Chairperson of IEEE Brac University SB and PES Brac University SB, a special speech from the honorable guest who is the Chairperson of EEE department Professor Shahidul Islam Khan and our Honorable Registrar came to spend the day, moreover the day had a very special feature where renowned company like Polycable came and gave a real demonstration on normal PVC cable and Halogen coated wires and how it works once the fire breaks which was very important and also that session made everyone aware on how to protect themselves from fire furthermore the day had many fun sessions like cake cutting, quizzes, riddle solving, watching a movie, getting inspired by an inspirational video and many more exciting events as well.



2. IEEE Power & Energy Society-Bangladesh Chapter's AGM 2018 and Election for the new Executive Committee (ExCom)

The program had been held at Brac University on 5th January, 2019. In the AGM, the immediate past chair Prof. Dr. Tareq Aziz presented the activities for the year 2018. Total 12 events were reported, comprised of different Seminar, Technical Workshop, Seminar on entrepreneurship, Distinguished Lecture (DL). After that, in presence of Prof. Dr. Mosaddequr Rahman of Brac University as election commissioner, the election for the Ex-Com of 2019 was executed.





This year four collocated conferences and one symposium are going to held from 28th to 30th November 2019.

IEEE Industrial Automation Society Bangladesh Chapter



IEEE

International Conference on Power, Electrical, Electronics and Industrial Applications (PEEIACON) 2019



www.peeiacon.org

IEEE Bangladesh section (IEEE BDS) and IEEE Industry Application Society (IAS) Bangladesh Chapter is jointly organizing IEEE International Conference on Power, Electrical, Electronics and Industrial Applications (PEEIACON 2019). The conference will be hosted on 29 November - 1 December at Asia Hotel and Resorts, Dhaka, Bangladesh. The conference will serve as a platform for academic researchers and research scholars working mainly in the field of power, electrical, electronics and industrial applications to exchange and share their experience and research results on diverse theoretical and practical problems. It will host a large number of keynote/invited talks from renowned researchers, project showcasing, and tutorial/training on relevant fields. All accepted and presented papers will be submitted to IEEE Xplore.® digital library.

The PEEIACON 2019 will be co-located area specific conferences /symposiums, namely -

1. International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON)
2. IEEE International Conference on Signal Processing, Informaion, Communication and Systems (SPICSCON)
3. IEEE International Conference on Robotics, Automation, Artificial-intelligence and Internet-of-things (RAAICON)
4. IEEE International Symposium on Social Implications of Sustainable Technology (SympSIST)

Important dates

Special/Tutorial Session Submission- 15th August
 Regular Paper Submission- 30th August
 Notification of Acceptance- 30th September
 Camera Ready Submission- 30th October

Registration Fees

Category	Local (BDT)	Foreign (USD)
Non IEEE Member	6500	200
IEEE Member	5000	150
Non IEEE Student Member	4000	125
IEEE Student Member	3000	100
IEEE Life Member	3000	100

*For IEEE IAS Members, additional 10% reduction in registration will be provided in all relevant categories. One registration covers one paper. For additional paper, 50 USD (for local authors 2000 BDT) will be added to the registration fees listed.

Registration fees will include: Two lunches, Snacks, One Banquet Dinner, Social Events, Project and Poster Presentations & Entry to all the technical events of four other co-located conferences/symposiums. These are: BECITHCON, SPICSCON, RAAICON and SympSIST.

The scope of the conference includes but is not limited to the following areas:

- Motor drives & motion control
- Power Electronics & Machine Control
- Applications of power electronics in power system
- Optimization in Power Electronics
- Analysis & design of electrical machines
- Renewable Energy Systems
- Distributed power generation & smart-grid
- Modeling & simulation in power electronics
- Applications of power electronics in home appliances, industry & aerospace
- Application of Power Electronics in Power Quality Issues
- Power System Reliability
- Traction & automotive systems
- Permanent-Magnet Motors and Drives
- Permanent-Magnet Generator Systems
- Power Converters
- Motion Control and Servo Systems
- Induction, Synchronous, Reluctance Machines and Drives
- Sensorless Control
- Machines System Modeling
- Energy Efficient Systems
- Linear Machines and Magnetic Levitations
- Reliability and Diagnostics of electrical machines
- Special Machines and Actuators
- Transformers
- Cooling Technologies
- Magnetics and Field Analysis
- Power electronics related educational/professional development
- Bio-medical power electronics
- Telecommunications power supplies
- Micro electro-magnetical systems (MEMS)
- Magnetic and Insulation Materials
- Power semiconductors, power integrated circuits, passive components and packaging technologies
- Application of Power Electronics in Transportation
- Power Electronics in Telecommunications networks

IEEE Robotics and Automation Society Bangladesh Chapter



IEEE

International Conference on Robotics, Automation, Artificial-intelligence & Internet-of-Things 2019 (RAAICON 2019)

www.raaicon.org



IEEE Bangladesh section (IEEE BDS) and IEEE Robotics and Automation Society (RAS) Bangladesh Chapter is jointly organizing IEEE International Conference on Robotics, Automation, Artificial-intelligence and Internet-of-Things (RAAICON). The conference will be hosted on 29th November - 1st December, 2019 at Asia Hotel and Resorts, Dhaka, Bangladesh.

The conference will serve as a platform for academic researchers and research scholars working mainly in the field of Robotics, Automation, Artificial-intelligence and Internet-of-Things applications to exchange and share their experience and research results on diverse theoretical and practical problems. It will host a large number of keynote/invited talks from renowned researchers, project showcasing, and tutorial/training on relevant fields. All accepted and presented papers will be submitted to IEEE Xplore.® digital library.

The RAAICON 2019 will be co-located area specific conferences/symposiums, namely:

1. International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON)
2. IEEE International Conference on Power, Electrical, Electronics and Industrial Application (PEEIACON)
3. IEEE International Conference on Signal Processing, Information, Communication and Systems (SPICSCON)
4. IEEE International Symposium on Social Implications of Sustainable Technology (SympSIST)

Important dates:

Special/Tutorial Session Submission- 15th August, 2019

Regular Paper Submission- 30th August, 2019

Notification of Acceptance- 30th September, 2019

Camera Ready Submission- 30th October, 2019

Registration Details:

Registration Fees		
Category	Local (BDT)	Foreign (USD)
Non IEEE Member	6500	200
IEEE Member	5000	150
Non IEEE Student Member	4000	125
IEEE Student Member	3000	100
IEEE Life Member	3000	100

*For IEEE RAS Members, additional 10% reduction in registration will be provided in all relevant categories.

One registration covers one paper. For additional paper, 50 USD (for local authors 2000 BDT) will be added to the registration fees listed.

Registration fees will include: Two lunches, Snacks, One Banquet Dinner, Social Events, Project and Poster Presentations & Entry to all the technical events of four other co-located conferences/symposiums. These are: BECITHCON, PEEIACON, SPICSCON and SympSIST.

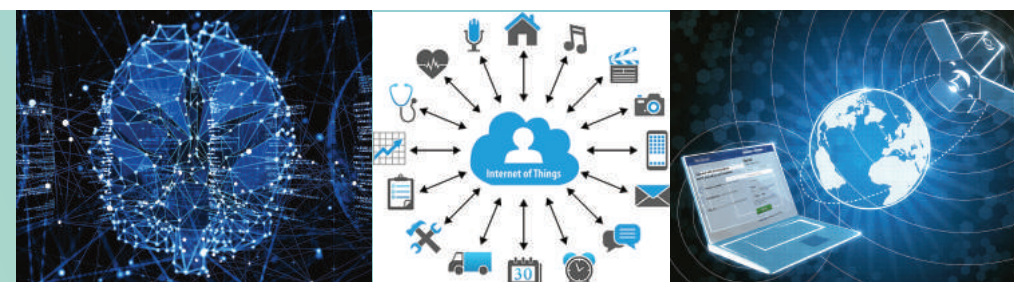
The scope of the conference includes but is not limited to the following areas:

- ▶ Robot design
- ▶ Robot kinematics
- ▶ Robot dynamics
- ▶ Robot control
- ▶ System integration
- ▶ Artificial Intelligence
- ▶ Sensor/Actuator Networks
- ▶ Robotics in automation
- ▶ Robot perception
- ▶ Distributed & Swarm Robotics
- ▶ Service & Social robots
- ▶ Biorobotics and Medical Robots
- ▶ Prosthetics limbs/ legs
- ▶ Behavioral study of robots & Robot Ethics
- ▶ Autonomous vehicles
- ▶ Robotics and IoT integration
- ▶ Multimodal Interface
- ▶ Robot vision
- ▶ Machine learning in robotics
- ▶ Intelligent system
- ▶ Mechatronics
- ▶ Bio-inspired robotics
- ▶ Cognitive Robotics
- ▶ Motion, path planning & SLAM
- ▶ Nanorobotics
- ▶ Bipedal & Humanoid Robotics
- ▶ Adaptive/Robust Control
- ▶ Networked/Ambient Intelligence
- ▶ Adaptive automation systems
- ▶ Agent-based collaborative automation systems
- ▶ Automation in life science
- ▶ Cloud-based automation
- ▶ Cybersecurity in automation systems
- ▶ Human-in-the-loop, human-machine interactions, human-robot / robot-robot collaboration
- ▶ Modeling, simulation, and optimization of automation systems
- ▶ Power and energy system automation
- ▶ Sensor-fusion for intelligent automation systems
- ▶ Smart factories, smart logistics and supply chains
- ▶ Smart automation in construction and manufacturing
- ▶ Smart home/building automation
- ▶ Smart and connected healthcare automation
- ▶ Sustainability and green automation
- ▶ IoT Edge and Cloud Architectures
- ▶ Web of Things
- ▶ AI and Machine Learning for the IoT
- ▶ Societal impact of the IoT
- ▶ Energy Efficiency and Sustainability in the IoT
- ▶ Sensing, Signal Processing, Actuation and Analytics
- ▶ Security, Privacy and Trust in the IoT
- ▶ Real-world Applications, Deployments, and Testbeds

For submission, please visit: www.raaicon.org

IEEE Signal Processing Society Bangladesh Chapter


SPICSCON
IEEE

 International Conference on
 Signal Processing, Information, Communication
 and Systems 2019 (SPICSCON 2019)

www.spicscon.org

IEEE Bangladesh section (IEEE BDS) and IEEE Signal Processing Society (SPS) Bangladesh Chapter is jointly organizing IEEE International Conference on Signal Processing, Information, Communication and Systems (SPICSCON 2019). The conference will be hosted on 28th-30th November at Asia Hotel and Resorts, Dhaka, Bangladesh.

The conference will serve as a platform for academic researchers and research scholars working mainly in the field of signal processing, information technology, communications and systems applications to exchange and share their experience and research results on diverse theoretical and practical problems. It will host a large number of keynote/invited talks from renowned researchers, project showcasing, and tutorial/training on relevant fields. All accepted and presented papers will be submitted to IEEE Xplore.® digital library.

The SPICSCON 2019 will be co-located area specific conferences/symposiums, namely -

1. International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON)
2. IEEE International Conference on Power, Electrical, Electronics Industrial Application (PEEIACON)
3. IEEE International Conference on Robotics, Automation, Artificial-intelligence, Internet-of-things (RAAICON)
4. International Symposium on Social Implications of Sustainable Technology (SympSIST)

Important dates

Special/Tutorial Session Submission-15th August
 Regular Paper Submission-30th August
 Notification of Acceptance- 30th September
 Camera Ready Submission- 30th October

Registration Details

Registration Fees		
Category	Local (BDT)	Foreign (USD)
Non IEEE Member	6500	200
IEEE Member	5000	150
Non IEEE Student Member	4000	125
IEEE Student Member	3000	100
IEEE Life Member	3000	100

*For IEEE SPS Members, additional 10% reduction in registration will be provided in all relevant categories.

One registration covers one paper. For additional paper, 50 USD (for local authors 2000 BDT) will be added to the registration fees listed.

Registration fees will include: Two lunches, Snacks, One Banquet Dinner, Social Events, Project and Poster Presentations & Entry to all the technical events of four other co-located conferences/symposiums. These are: BECITHCON, PEEIACON, RAAICON and SympSIST.

The scope of the conference includes but is not limited to the following areas:

- Audio and Acoustic Signal Processing
- Speech and Language Processing
- Image and Video Processing
- Multimedia Communication and Signal Processing
- Signal Processing for Internet of Things
- Sensor Array and Multichannel Signal Processing
- Signal Processing for Communications
- Radar and Sonar Signal Processing
- 3G/4G/5G Mobile Communication and Network
- Communication Device Modeling
- Network, Information and Cyber Security
- Microwave/MM-Wave/THz Circuits and System
- Wireless and Wearable Technology
- Signal Processing for Graphs and Networks
- Computer Vision, Graphic and Virtual Reality
- Cloud and ICT
- Wireless and Optical Communication
- Biomedical Circuits & Systems
- Power and Energy Circuits & Systems
- Digital Circuits & Systems
- Sensory Circuits & Systems
- Nonlinear and Adaptive Signal Processing
- Compressed Sensing and Sparse Modelling
- Pattern Recognition & Artificial Intelligence
- Machine Learning & Deep Learning
- Biomedical Signal and Image Processing
- Signal Processing for Robotics
- Computational Intelligence in Signal Processing,
- Information Forensics and Security
- Signal Processing for Power Systems
- Signal Processing for Big Data and Data Mining
- Signal Processing for Humanitarian Technology
- Video Surveillance and Monitoring
- Human Computer Interaction(HCI)
- Photonic Signal Processing and Systems
- Analog / Mixed Signal Circuits & Systems
- Beyond CMOS: Nano & Hybrid Systems
- VLSI Signal Processing Technology.
- Machine Learning in VLSI Design
- Signal Processing and Machine Learning for Sensors
- Neuromorphic Signal Processing and Computing

IEEE Engineering in Medicine and Biology Society Bangladesh Chapter



BECITHCON 2019 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health 2019 www.becithcon.org

IEEE Bangladesh section (IEEE BDS) and IEEE Engineering in Medicine and Biology Society (EMBS) Bangladesh Chapter are jointly organizing IEEE Conference on Biomedical Engineering, Computer and Information Technology for Health 2019 (BECITHCON 2019). The conference will be hosted on 28th-30th November at Asia Hotel and Resorts, Dhaka, Bangladesh.

The conference will serve as a platform for academic researchers and research scholars working mainly in the field of Biomedical Engineering, Biomedical Signal & Image Processing, Health Informatics and others to exchange and share their experience and research results on diverse theoretical and practical problems. It will host a large number of keynote/invited talks from renowned researchers, project showcasing, and tutorial/training on relevant fields. All accepted and presented papers will be submitted to IEEE Xplore® digital library.

The BECITHCON 2019 will be co-located with area specific conferences/symposiums, namely -

- IEEE International Conference on Signal Processing, Information, Communication and Systems (SPICSCON)
- IEEE International Conference on Power, Electrical, Electronics and Industrial Applications (PEEIACON)
- IEEE International Conference on Robotics, Automation, Artificial-intelligence, and Internet-of-things (RAAICON)
- International Symposium on Social Implications of Sustainable Technology (SympSIST)

Important Dates

Special/Tutorial Session Submission	15 th August, 2019
Regular Paper Submission Opens	30 th August, 2019
Notification of Acceptance	15 th October, 2019
Camera Ready Submission	30 th October, 2019

Registration Fees

CATEGORY	LOCAL (BDT)	FOREIGN (USD)
Non IEEE Member	6500	200
IEEE Member	5000	150
Non IEEE Student Member	4000	125
IEEE Student Member	3000	100
IEEE Life Member	3000	100

* For IEEE SPS Members, additional 10% reduction in registration will be provided in all relevant categories.

One registration covers one paper. For additional paper, 50 USD (for local authors 2000 BDT) will be added to the registration fees listed.

Registration fees will include:

- Two lunches
- Snacks
- One Banquet Dinner
- Social Events
- Project and Poster Presentations
- Entry to all the technical events of four other co-located conferences/symposiums. These are: SPICSCON, PEEIACON, RAAICON and SympSIST.

The scope of the conference includes but is not limited to the following areas

- Biomedical Imaging, Signal & Image Processing
- Cardiovascular & Respiratory Systems Engineering
- Neural Engineering
- Bio-robotics & Rehabilitation Engineering
- Wearable Biomedical Sensors & Systems
- Wearable Health Monitoring Electronics for Neuroscience
- Electronics for Brain Science
- Lab-on-Chip and BioMEMS
- Implantable Medical Electronics and Printable/Flexible Bioelectronics and 3D printing
- Biosensor Devices and Interface Circuits
- Natural language processing in Biomedical Applications
- Neuro Immunology
- Bio-Inspired and Neuromorphic Circuits and Systems
- Therapeutic & Diagnostic Systems, Devices and Technologies
- Translational Engineering & Healthcare Innovation
- Biomedical, Cognitive and Health Informatics
- Human Machine Interface and Brain Machine Interface
- Mobile health applications and Healthcare Management System
- Design and Development Methodologies for IoT in Healthcare and Smart Implants
- Neuroimaging in Learning Disabilities and Developmental Disorders
- Autism and other Neuro Developmental Disabilities
- Software engineering for accessibility of disables
- Cloud based Assistive Technology services for Disables
- Automatic translation of Sign languages
- Representation and Processing of Sign Languages
- E-learning tools, accessibility and environments for disabled users
- Web accessibility and Technology Enhanced Learning for disables
- Assistive, Rehabilitation, and Quality of Life Technologies
- Smart Vision and Image Processing, Smart Sensors Networks and Smart Home Environments
- Biotelemetry and Energy Harvesting/Scavenging Circuits and Systems
- Medical Information Systems and Bioinformatics
- Biosignal Recording, Processing, Pattern recognition and Machine Learning
- Micro/Nano-bioengineering and Cellular/Tissue Engineering & Biomaterials
- Computational Systems, Modeling and Simulation in Medicine
- Pharmaceutical Engineering and Drug Delivery Systems
- Biophotonics
- Big Data Analytics for Health Care
- E-Health, Telehealth and Telemedicine
- Practice-based Research for Healthcare IT
- Evaluation and Use of Healthcare IT
- ICT, Health, Ageing and Disability
- Biomedical Systems, Applications in Medicine
- Computational Neuroscience
- Affective Computing
- Clinical Engineering, Clinical Problems and Applications
- Informatics for Chronic Disease Management
- Patient Condition Screening and Monitoring
- Human Adaptive Mechatronics
- Surgical Technology and Engineering
- Stem cell Engineering
- Bioinstrumentation
- Computational Chemistry & Drug Design
- Vaccines & Enzymes
- Nuclear Medicine

SSIT Bangladesh Chapter is hosting SIMPSIST



SympSIST

International Symposium on
Social Implications of Social Technology 2019
(SympSIST 2019)

Website Address: www.sympsisit.org



IEEE Bangladesh Section (IEEE BDS) and IEEE Society on Social Implications of Technology (SSIT) Bangladesh Chapter is jointly organizing International Symposium on Social Implications of Sustainable Technology (SympSIST 2019). The symposium will be hosted on 1st December at Asia Hotel and Resorts, Dhaka, Bangladesh.

The symposium will serve as a platform for academic researchers and research scholars working mainly in the field of the complex interaction between technology, science and society, its impact on individuals and society in general, professional and social responsibility in the practice of engineering, science, and technology, and open discussion on the resulting issues. It will host several keynote/invited talks from renowned researchers to discuss the most recent innovations, trends, practical challenges encountered, and solutions adopted to implement sustainable projects for the welfare of society. We are particularly keen to encourage contribution proposals sharing the innovations and research in this field, posters and video presentations which should include an abstract or overview of up to 250 words.

The SympSIST 2019 will co-locate area specific conferences/symposiums, namely-

1. IEEE International Conference on Signal Processing, Information, Communication and Systems (SPICSCON)
2. IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BESITHCON)
3. IEEE International Conference on Power, Electrical, Electronics Industrial Application (PEEIACON)
4. IEEE International Conference on Robotics, Automation, Artificial-intelligence, Internet- of-things (RAAICON)

Important Dates

Abstract of Proposal/Poster/Video Submission –30th August
Notification of Acceptance – 30th September

Registration Details

Category	Local (BDT)	Foreign (USD)
Non-IEEE Members	4500	150
IEEE Members	3500	100
Non-IEEE Student Member	3500	100
IEEE Student Member	2500	75
IEEE Life Member	2500	75

Scopes

The scope of the symposium includes but not limited to the following areas:

- Sustainable Technology
- Impact of technology and information on decision making
- Big data
- Net neutrality
- Internet of Things
- Privacy vs security of information
- Green Technology
- Ethical use of Technology
- Open Government and Open Data
- Blockchain Technology and Application
- Social, legal and economical consequence of AI

*For IEEE SSIT Members, additional 10% reduction in registration will be provided in all relevant categories. Registration fees will include: One lunch, Snacks, Social Events, Project and Poster Presentations & Entry to all the technical events of four other co-located conferences/symposiums. Those are: SPICSCON, BECITHCON, PEEIACON and RAAI-CON.

Activities of Affinity Groups



Women in Engineering (WIE) Affinity Group, IEEE Bangladesh Section

1. WIE AG - IEEE BDS 2019 EXECUTIVE COMMITTEE MEMBERS ELECTION and ANNUAL GENERAL MEETING

Hosted by: WIE Affinity Group, IEEE BDS

Co- Host: IEEE Bangladesh Section

Venue: ECE Building, BUET

Date: February 16, 2019

Details: The Annual General Meeting (AGM) of WIE Affinity Group, IEEE Bangladesh Section was held on Saturday, February 16, 2019 in Room # 236 at ECE building, BUET. The meeting was attended by 33 participants from different institutions including industries and academia. Dr. Celia Shahnaz, Professor at the Department of EEE, BUET and Chair of IEEE Bangladesh Section, led the meeting. The meeting was followed by formation of Executive Committee with distribution of responsibilities among excom members. Anamika Bhakta, Vice President of Robi Axiata Limited and Chair of WIE AG, IEEE BDS Executive Committee (2018), was re-elected and sworn in as the Chair of Executive Committee (2019).



The meeting started with welcome speech by Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section. The participants were given the opportunity to introduce themselves. The Activity Report of 2018 was presented by Anamika Bhakta, Chair of WIE AG, IEEE BDS Executive Committee. Some yearly activity plans were discussed with emphasis on Industry and Academia collaboration. The committee members also shared their views about upcoming events, workshops and industrial tours. Discussions and brainstorming among them made the meeting effective. Dr. Celia Shahnaz talked about the strength of each and every executive member mentioning their responsibilities. At the end, there was a group photo session where Chair, Vice-Chair, Secretary, Treasurer and recently elected Executive members of WIE, Affinity Group Bangladesh Section were present.

2. INTERNATIONAL WOMEN'S DAY CELEBRATION 2019

Hosted by: WIE Affinity Group, IEEE BDS

Co- Host: IEEE Bangladesh Section

Venue: Asia Hotel and Resorts

Date: March 08, 2019

Details: IEEE Bangladesh Section and IEEE Women in Engineering Affinity Group IEEE Bangladesh Section organized "International Women's Day Celebration 2019" at Asia Hotel and Resorts on 8th March. The theme of the event was "Balance for Better".

Anamika Bhakta, Vice President, Robi Axiata Ltd. and current chair of Women in Engineering Affinity Group of Bangladesh moderated the event with the assistance of two vice chairs of the group, Lamia Iftekhar and Raisa Fabiha and the secretary of IEEE Bangladesh Section, Raihanur Rashid. 44 accomplished professionals from more than 22 institutions joined the event. Prof. Dr. Dil Afroza Begum, Member, University Grants Commission of Bangladesh attended the program as the chief guest.

Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh at the outset of the event delivered the welcome speech. She spoke about the vast number of significant activities of WIE Affinity Group in 40 universities of Bangladesh, the arduous efforts of the group to become the best one in the world and the remarkable international achievements and recognition the group has attained by working for the women in the local community of Bangladesh. She urged everyone to contribute towards retaining this glory.



The honorable chief guest of the event, Prof. Dr. Dil Afroza Begum then delivered her valuable speech focusing on her effort in eliminating gender discrimination in STEM education. Also she marked the significant increase in GDP as the outcome of those struggles which led to form women friendly policies. She expressed her hope that if women are supported by their male-counterparts, rapid increase in economic growth will be possible by 50% GDP contribution from women, which will ultimately turn the country into a developed one by 2041.

The present female guests shared their experience-based opinions about how to ensure "Balance for Better" while imparting technical contribution to help progress the women in the engineering sector in

Bangladesh. Among the present female professionals, the notable were Tasneem Tariq, Assistant Professor, Department of Architecture, BUET, Achia Khaleda Nila, Founder and CEO, Women in digital, Afroza Akter, Lead Tech Evangelist at Mentor Nations, Anika Yunus, Professor, department of Water Resource Engineering, BUET, Tamanna Motahar, Advisor of NSU ACM-Women Chapter, faculty members from NSU, Nova Ahmed and Farah Deeba, Nashiyat Fyza, Development Manager, Information Centers on Nuclear Energy (ICONE), Fatema Ahmed Nisha, Assistant Engineer, PDB.



Undergraduate and graduate students from WIE student branches of different universities of Bangladesh including BUET, Dhaka University, North South University, Prime Asia University, University of Liberal Arts, Ahsanullah University of Science and Technology, University of Asia Pacific, East West University, Independent University of

Bangladesh, United International University, Bangladesh University of Business and Technology, Institute of Science, technology and trade, Daffodil International University, BAUST, and a number of male engineers from Robi Axiata ltd., Grameenphone, Teach for Bangladesh, Bangladesh Power Development Board, Dhaka Power Distribution Company, Energypac Engineering ltd., Banglaphone were also present in the event. The present successful women engineers motivated the students to stay focused to achieve the dream goals of life. They also thanked the present male engineers for their support to mark the International Women's Day.

The struggles experienced by a woman engineer, the identified problems and their technical and realistic solutions have been well discussed among the present guests, thereby making the event a grand success.

The event ended with a group photo and cake cutting as a part of celebration of International Women's Day 2019. Prof. Dr. Celia Shahnaz proposed vote of thanks to the event moderator and the guests. She requested everyone to encourage other women in their success. Everybody in the event reckoned that the event would inspire women engineers to become more dynamic to contribute to the development of the nation and to achieve international recognition.

3. WORLD HEALTH DAY CELEBRATION 2019

Hosted by: WIE Affinity Group, IEEE BDS

Co- Host: IEEE Bangladesh Section, IEEE SIGHT

Venue: ECE Building, West Palashi Campus, BUET

Date: April 07, 2019

Details: The IEEE Bangladesh Section and IEEE Women in Engineering Affinity Group, IEEE Bangladesh Section and IEEE SIGHT organized” World Health Day 2019 Celebration” at ECE Building, West Palashi Campus, BUET on 7th April. The theme of the event was “Universal Health Coverage: everyone, everywhere”.

Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh moderated the event. 39 accomplished professionals from more than 13 institutions joined the event. Rumana Ali, Member of the Parliament, People's Republic of Bangladesh, Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh, Dr. Fariha Haseen , Associate Professor, Dept. of Public Health and Informatics, BSMMU, Dr. Samsad Jahan, Assistant Professor, Shaheed Suhrawardi Medical College, Dr. Tanzina Hossain, MD, Medical Oncology attended the program as honourable speakers to make this event a success.

At the very beginning, Dr. Samsad Jahan, Assistant Professor, Shaheed Suhrawardi Medical College, enlightened the participants with the importance of health Screening (checking blood pressure, height, weight, cholesterol, diabetes on a regular basis). Then she discussed the basic rules of staying healthy and today’s most serious and common disease Depression.

The honorable second speaker, Dr. Tanzina Hossain, MD, Medical Oncology, introduced the participants with the causes and symptoms of different types of cancer and of course about cancer prevention and the importance of raising public awareness. She also clarified that early detection can help in complete cure of some cancers. Her remarkable speech broadened the participants’ horizon regarding cancer.

Dr. Fariha Haseen , Associate Professor, Dept. of Public Health and Informatics, BSMMU, went next as the third speaker and gave an overview on SDG(Sustainable Development Goals) and Health, Mental illness caused by depression and anxiety and Potential Mental Health Issue. Her short but extraordinary speech helped the group to understand the severity of mental illness caused by depression and anxiety.



Prof. Dr. Celia Shahnaz, Department of EEE, BUET, Chair of IEEE Bangladesh Section and founding Chair of Women in Engineering Affinity Group of Bangladesh in her speech pointed out the achievements of her students in constructing some outstanding projects, done under her supervision,



which can change the health of general mass in great ways. She demonstrated the design and implementation of - Auto-HRID: Automated Heart Rate Monitoring and Injecting Device with Precise Vein Detection, Stetho Phone: Low-cost Digital Stethoscope for remote Personalized Health Care and Smart Hat, safe and smooth walking Assistant for Elderly People. She also apprised the group that these projects are cost effective and very much appropriate for a developing country like Bangladesh.

As the fifth speaker, honorable Rumana Ali, Member of the Parliament, People's Republic of Bangladesh, took the floor and appreciated the whole initiative. She was very impressed with the whole organizing committee and the participation of so many professionals. Rumani Ali as the representative of the Parliament gave all the hopes that she will try to take as much initiative as possible to give the projects pointed out by Prof Dr. Celia Shahnaz justice and she will try to make them reachable to the general mass for use. She hopes engineers and doctors can come together more often with the motive of improving the lives of normal people.

Among the present professionals, the notable were Dr. Sanjida Hasan, Expert in Public Health and Population, Dr. Shaikh Anowarul Fattah, Professor, Department of Electrical and Electronic Engineering, BUET, Dr. Bobby Barua, Associate Professor, Department of Electrical and Electronic Engineering, Ahsanullah University of Science and Technology, Anika Yunus, Professor, department of Water Resource Engineering, BUET, Shakila Yasmin, Associate Professor, Institute of Business Administration, University of Dhaka.

Undergraduate and graduate students from WIE student branches of different universities of Bangladesh including BUET, North South University, Prime Asia University, University of Liberal Arts, Ahsanullah University of Science and Technology, University of Asia Pacific,

Independent University of Bangladesh, Institute of Science, technology and trade, and a number of male and female engineers from Robi Axiata ltd, Energypac Engineering ltd., Summit Communications Ltd. were also present in the event. The event enlightened everyone about the importance of Universal Health Coverage, a growing political movement to make health outcomes more equitable and health systems more resilient.

At the end, Anamika Bhakta, Vice President, Robi Axiata Ltd. and current Chair of Women in Engineering Affinity Group of Bangladesh proposed vote of thanks to the speakers.

4. Power and Energy Society (PES) Day Celebration 2019

Hosted by: WIE Affinity Group, IEEE BDS

Co- Host: IEEE Bangladesh Section, PES IEEE BUET Student Branch Chapter

Venue: BUET

Date: April 27, 2019

Details: IEEE Bangladesh Section along with its Women In Engineering Affinity Group as well Power and Energy Society, IEEE BUET Student Branch Chapter celebrated the second global IEEE PES Day on 27th April at BUET. The event started at 4:30 with Professor Dr. Celia Shahnaz, Chair, IEEE Bangladesh Section, welcoming everyone and informing the audience about the history of Power and Energy Society.

After the interactive and informative introductory session by Prof. Celia, the first guest speaker Ms. Zarifa Khatun took the stage. Ms. Zarifa Khatun, Executive engineer, Bangladesh Power Development Board (BPDB) talked about the recruitment process at BPDB, the role she plays in the planning division of the organization, how her department is helping the government achieve the goal “Electricity for everyone- by 2021” and will help achieve “Reliable and Quality Power”, how demand forecast for the fiscal year correlates with the annual national budget etc. For the young engineers to-be, she shed some light upon the various power sector companies that are going to recruit a large number of engineers in the near future. She also discussed PhD opportunities for those who want to study abroad but come back to the country to further serve the nation.



Prof. Celia suggested some improvements that can be incorporated in our power sector, so that research-oriented students are also attracted by it, such as, creating internship opportunities, implementation of A.I,



pattern recognition in this field etc. Next, she invited the honorable Managing Director of EGCB (Electricity Generation company Bangladesh Limited), Mr. Arun Kumar Saha to the dais. Mr. Saha discussed his very dynamic career till now and elaborated on two of the monumental decisions he was involved in that changed the whole portrait of power sector in Bangladesh. One was the decision to use oil as fuel instead of allowing load shedding and the other was importing power from India through cross-border HVDC connection in 2009. He then proceeded to discuss the current scenario in the power sector of Bangladesh including generation capacity and future plans to achieve government-imposed goals and beyond. The esteemed speaker held everyone rapt as he continued to discuss the impact of an improved power sector on GDP and described the company he led. He ended his speech with heartfelt words of advice to the young engineers present – to build up their careers and end the scarcity of skilled manpower in our country. His keynote speech was followed by an interactive question-answer session.

Professor Dr. Shaikh Anowarul Fattah, member of Long-Range Planning Committee of IEEE PES and Education Chair of IEEE Humanitarian Activity Committee (HAC), provided valuable information regarding the long term plans of IEEE PES, mentioning Ms. Zarifa Khatun, Executive engineer, Bangladesh Power Development Board (BPDB) to speak to the audience. Three categories getting the highest priority – energy storage, distributed control and security. He then talked about SCADA being implemented in the various sectors and hence the importance of ensuring cyber-security. Dr. Celia added to the information by emphasizing on the fact that PES is targeting to register corporate members in our country so that, our progress in power sector is show-cased to the whole world.

The next speaker was Ms Tasnuva Binte Anowar, Assistant Engineer, DPDC who mentioned company achievements and milestones in the power sector.

A short break ensued during which the cake to celebrate PES Day was brought in, cut and distributed. Everybody took part in a photo session and enjoyed the refreshment.

Pramiti Anasuya Alam, AGM of Energypac Ltd, captivated the listeners with a video-clip showing her company's progress and products, then charting a comparison of female participation among different departments of their company. She projected how female participation can be increased in their company and appealed for more female engineers to get more involved. She also asserted that they were a very female friendly employer. An interesting informal discussion followed on how industry owners such as Energypac can contribute to provide students with openings such that they can solve various problems through internship opportunities and open competitions.



Farah Nazifa, Data Analyst of SOLshare shared explained how she joined and contributes to the energy sector as a Data Analyst. She delivered an overview of the SOLshare and how it provides a sustainable energy solution for rural and remote communities.

Dr. Md. Raju Ahmed, Professor, Department of EEE, DUET, spoke about the scope of his research, the outcomes of his visits to multiple RMG factories, the codes to follow to ensure minimum fire hazards and lightning incidents. He discussed the necessity of proper protection system and urged everyone to consult experts on service design when building any structure.

The event was attended by a total of 41 people, 12 from 12 professional organizations and 29 affiliated to 9 educational institutions.

5. Meet the Media and Iftar to share the vision and objectives of IEEE Bangladesh Section

Saturday, May 25 IEEE Bangladesh Section BUET

IEEE Bangladesh Section and Women in Engineering (WIE) Affinity Group has jointly arranged Meet the Media and Iftar to share the vision and objectives of IEEE Bangladesh Section on Saturday, May 25, 2019 at BUET



6. Celebration of International Girls in ICT Day 2019

28 April 2019 IEEE Bangladesh Section ECE Building, West Palashi Campus, BUET

IEEE Bangladesh Section along with IEEE Women in Engineering Bangladesh AG Bangladesh Chapter is going to organize the celebration of International Girls in ICT Day 2019.



Women in Engineering Affinity Group achieve top honors

IEEE Bangladesh Section (IEEE BDS) and its Women in Engineering Affinity Group (WIE BD) have been carrying out highly impactful scientific activities spread throughout the nation, bringing together and enhancing the potential of engineering community and securing remarkable individual, regional and global achievements and awards.

On May 25 they organised a press meet to disclose their activities and shared the vision and objectives of IEEE Bangladesh Section and Women in Engineering (WIE) Affinity Group.

"It is our pleasure to inform that IEEE Bangladesh Section has received the "2018 Member and Geographic Activities Board Outstanding Large Section Award", the highest recognition from global IEEE. It is a great honor for us as well as for the country," said Celia Shahnaz, Founder of IEEE Bangladesh Section.

"Conducting various research, educational, professional and humanitarian-technology-based activities on a regular basis, IEEE Bangladesh Section and Women in Engineering Affinity Group creates a significant positive impact on the students, young professionals, mid-career researchers, senior leaders and members from the academia and industry alike," she described.

"WIE BD has particularly contributed in galvanizing the female engineering community through engaging activities, programs, competitions and conferences covering topics from the fields of Power and Energy, Robotics and Automation, Biomedical Engineering, Signal Processing, just to name a few. WIE BD's contribution was internationally recognized in 2017 when it received the IEEE WIE AG of the Year Award by Global WIE Committee. Other awards in the last few years include 2013 R10 WIE Professional Volunteer and 2015 WIE Inspiring Member awards, both presented to Dr. Celia Shahnaz, 2016 R10 (Asia-Pacific) WIE Section Affinity Group Award, 2018 R10 WIE Student Branch AG of the Year Award (BUET), etc," she informed.

IEEE BDS plays a crucial role in the disbursement of research and scientific knowledge of the country by organizing or being a technical co-sponsor of the best engineering conferences in the area. A culminating example of a state-of-the-art international event is the flagship International Leadership Summit Dhaka, organized by IEEE BDS and WIE BD, which brought in leaders and practitioners from all over the world to discuss emerging technology, disruptive technology, topics in entrepreneurship, leadership, empowerment and beyond.

A total of 55 speakers including 13 foreign speakers from eight different countries, namely USA, Canada, Malaysia, Singapore, Indonesia, India, Sri Lanka, and Bangladesh along with more than 300 delegates took part in the summit. In 2018, IEEE BDS has conducted an astonishing 120 events, whereas its WIE Affinity Group has successfully completed 20 events. Through winning and bringing in various international grants, paving pioneering steps in industry-academia collaboration and nurturing the culture of research and innovation, IEEE BDS and WIE BD have been fulfilling the professional, technical and humanitarian goals of IEEE for the benefit of the public by maintaining, enhancing and supporting the student branches, technical chapters and affinity groups of IEEE Bangladesh Section

Activities of Affinity Groups



IEEE YOUNG PROFESSIONALS BANGLADESH SECTION EVENTS

IEEE Student Professional Awareness Conference (SPAC) 2019

On 2nd August 2019, the prestigious IEEE Student Professional Awareness Conference was hosted by IEEE Young Professionals Bangladesh and IEEE North South University Student Branch collaboratively at the premises of North South University. The venture was supported by IEEE Bangladesh Section. The conference was designed with workshops, technical talks and seminars to educate the students about the state-of-the-art technology and the necessary professional aspects and qualities for an engineer. Esteemed individuals from different parts of the corporate sector and academia conducted the sessions on IEEE SPAC. A total of 217 participants from all universities across Bangladesh participated in the conference.



IEEE Pes Day Celebration: Workshop on “PCB Design”

On April 28, 2019, to mark the celebration of IEEE PES Day 2019, IEEE Young Professionals Bangladesh hosted a workshop on “PCB Design” in association with IEEE Stamford University Student branch. The workshop was conducted by Shuvangkar Chandra Das, Project Engineer, IICT BUET, discussing the different types of PCB Designs and demonstrated generations of PCB layout on the design software. Students consisting of both IEEE Members and Non-members from different institutions across the country took part in this celebration and workshop.



Student Branch Activities



AIUB Student Branch

1. General Meeting---18th & 20th June,2019,AIUB permanent campus
2. Seminar on Grid-Connected Renewable Energy Sources--- April 11, 2019, AIUB Permanent Campus,Co-host: IAS
3. Members' Orientation-2019---10th April 2019, Multipurpose Hall, Annex 7, AIUB Permanent Campus

AUST Student Branch

1. Industrial Visit 2019---Rampura 230 KV Supergrid under Power Grid Company of Bangladesh, April 6, 2019
2. Workshop on Cyber Security---March 27, 2019,AUST,co-host- IEEE AUST SB WIE AG
3. Information Session on Study, Research DAAD scholarship & Student Visa Requirements for Germany---5th February 2019, AUST campus,Co-Host: IEEE AUST SB, IASB WIE AG, the Department of EEE of AUST and AUST EEE Society
4. Ice Breaking Session and Membership Drive 2019---April 3rd,2019,AUST campus
5. The Annual General Meeting---January 27, 2019,AUST campus

BRACU Student Branch

1. Tutorial session on "Peer-to-Peer Energy Trading in Bangladesh : Prospects and Challenges"-- 11th June 2019, BRACU, Cohost- IEEE Brac University PES
2. Seminar on "The Art of Writing A scientific Paper"---24TH OF March, 2019, BRACU
3. Tour to Dutch Bangla power Associates Ltd---23 March, 2019, BRACU, co-host-PES section
4. Seminar on The Operating System of Power Plants---march 25, 2019, BRACU, co-host-IEEE BRACU PES STUDENT BRANCH CHAPTER
5. Industrial tour of 2019---Orion Power Plant at Shiddhirganj, 23rd March, 2019; co-host: IEEE BRACU PES
6. Seminar on "Publishing a Paper: The Art of Scientific Writing"---24th March, 2019, BRACU
7. Seminar on -"Operation and Maintenance of Power Plant"---20th march, 2019, BRACU
8. INTERNATIONAL CONFERENCE on ENERGY and POWER ENGINEERING (ICEPE)--- 14th to 16th March at BRAC CDM, co-host: IEEE PES..
9. Seminar on "Higher Education : Prospect of Scholarship and Immigration in Australia"---5th March 2019, BRACU
10. 1st General Body Meeting 2019---3rd March 2019, BRACU
11. IEEE Membership Campaign---20-22ND jan, 2019, BRACU

BUBT Student Branch

1. Seminar titled "Recent Cellular Technologies-3G, 4G and 5G"--- 13th April, International conference hall, permanent campust, BUBT
2. Seminar on "The Impact of Electric Vehicle on Electricity Demand and Distribution: Challenges and Opportunities"--- 2nd February , 2019, international conference hall , BUBT
3. Seminar on "Nuts & Bolts fir Higher Degree Research(HDR)---February 16, 2019, International conference hall, bubt

BUET Student Branch

1. TECHNICAL TALK ON “SELF-AWARE REAL-TIME CIRCUITS AND SYSTEMS” , ECE Building, BUET, 7th January, 2019. Co – organizer: IEEE EDS BUET Student Branch Chapter.
2. TECHNICAL TALK ON “DESIGN AND IMPLEMENTATION OF PURE SINE WAVE INVERTER” - , ECE Building, BUET, 15th January, 2019. Co – Host: IEEE Power & Energy Society BUET Student Branch.
3. EEE DAY INTER-UNIVERSITY PROJECT SHOWCASING COMPETITION – 2019, ECE Building, BUET, 24th January, 2019. Co – Host: Department of EEE, BUET.
4. TECHNICAL TALK ON “PROSPECT IN BIOMEDICAL ENGINEERING” - ECE Building, BUET, 26th January, 2019. Co – Host: IEEE Bangladesh Section, SAC Team.
5. IEEE BUET STUDENT BRANCH - MEMBERSHIP DRIVE- 2019, ECE Building, BUET, 12th – 15th May, 2019 and 24th - 26th June, 2019.
6. TECHNICAL TALK ON “BIO INSPIRED SENSORS & IOT: CHALLENGES & OPPORTUNITIES” - ECE Building, BUET, 15th May, 2019.
7. DAYLONG SERIES WORKSHOP ON “HANDS-ON ARDUINO & ROBOTICS” – ECE Building, BUET, 20th and 21st June, 2019 and 27th and 28th June, 2019.

BUP Student Branch

1. Recruitment-2019---april 24th to 30th,2019,Lower plaza,BUP
- 2.IEEE BUP Student Branch Annual Dinner---15th April, 2019,BUP campus

DUET Student Branch

1. Seminar titled “Career Prospects and Scopes of Engineers in Industrial Sectors of Bangladesh”--- 9 April 2019,Old Academic Building, DUET, Gazipur.

EWU Student Branch

1. Workshop titled as “Basic Matlab”---18th and 20th June, 2019,EWU campus
2. Member Recruitment 2019---19,20, 24-26 February, 2019,EWU campus

GUB Student Branch

1. Workshop on " Introduction on Optimization"---19 June 2019,GUB city campus
2. Workshop on 'Road to Blogging'---18 April,2019,GUB campus

HSTU Student Branch

1. Workshop on “EndNote and Thesis Formatting”---March 6th,2019,audi-2,hstu,co-host:eee club
2. “Seminar on Nuts & Bolts for Higher Degree Research Opportunities in Australia”-
March,2019,HSTU campus
3. Workshop on Basics to Start Robotics---april 5th,2019,audi-2,hstu

ISTT Student Branch

1. Recreational tour---Bangabandhu Safari Park Gazipur,June 23, 2019
2. Seminar on “Industry-Academia Collaboration:Make the Change Together”---March 16, 2019,crp building,uni

IUB Student Branch

1. Workshop on Substation Design & Simulation, IUB Campus, 9th February 2019.
2. Workshop on MATLAB, IUB Campus, 26th January, 2019, Co-host: IEEE IAS IUB Student Chapter Branch, IEEE IUB Student Branch Women in Engineering(WIE) Affinity Group.
3. Workshop on PSpice, IUB Campus, 24th January, 2019, Co-host: IEEE IAS IUB Student Chapter Branch and IEEE IUB Student Branch Women in Engineering(WIE) Affinity Group
4. Seminar on The Impact of Electric vehicle on Electricity Demand and Distribution: Challenges and Opportunities, School of Engineering and Computer Science(SECS) of IUB, 20th January 2019, Co-host: IEEE IAS IUB Student Branch Chapter and IEEE IUB Student Branch Women in Engineering (WIE) Affinity Group.

JnU Student Branch

1. Seminar on Machine Learning and Deep Learning, Jagannath University Campus, 27th March, 2019.
2. Seminar on CV Writing, Jagannath University Campus, 27th March, 2019.
3. Hands-on Machine Learning, Jagannath University Campus, 8th April, 2019.

JU Student Branch

1. Introduction to robotics, IIT,JU, 13th March, 2019

KEUT Student Branch

1. IEEE PES Day Celebration, KUET Campus, 30th April, 2019

LU Student Branch

1. Lightning Protection System Design for Structures: Challenging Issues, LU Campus, 15th April 2019, Co-host: IEEE BANGLADESH SECTION and the Department of EEE, Leading University
2. Renewable Energy Source Based Modelling on HOMER Software, LU Campus, 5th february, 2019

MIST Student Branch

1. Job Prospects of Electronics Sector in Bangladesh, MIST Campus, 13th April, 2019

NSU Student Branch

1. Summer '19 Recruitment---15th to 19th of June, 2019, NSU premises
2. Freshers' Orientation for Summer'19---19th of May, 2019, Main Auditorium of North South University, co-host: ECE department of NSU
3. "IoT for Tomorrow"---9th of April, 2019, co-host- IEEE NSU IAS Student Branch Chapter
4. The Arduino Generation 2019---16th March, 2019, Exhibition Hall, North South University; co-host: Robotics & Automation Society
5. Workshop named "So You Want to be a Python Expert"--- February 22, 2019, NSU, co-host-IEEE NSU RAS SB
6. Ice Breaking Session---8 February, 2019; AUDI of NSU
7. Seminar on 'DevOps Capabilities, Practices and Challenges in IT Operations'---6th of February, 2019; at Faculty Lounge of North South University
8. On 20 January 2019, IEEE NSU Student Branch had successfully collaborated with the ECE Department to organize the ECE Department Orientation for the newcomers, enrolled in Spring 19 semester.
9. RECRUITMENT Spring'19---2nd-7th February, 2019; NSU
10. Workshop on PSpice and Multisim---24th February, 2019, LIB 611, NSU; co-host-IEEE NSU PES SB CHAPTER
11. Workshop on WEB Design---2nd & 22nd March, 2019; LIB 610, NSU; Co-host-IEEE Bangladesh Section, SAC

PUST Student Branch

1. Seminar on Govt. Job preparation and HVDC for Engineers. PUST Campus, 27th April, 2019
2. Seminar on PTE-Academic, PUST Campus, 24th February, 2019
3. Seminar on "The impact of the electric vehicle on electricity demand and distribution: challenges and opportunities" , PUST Campus, 22nd January, 2019

RU Student Branch

1. PROJECT SHOWCASING COMPETITION - Science Building, RU, 14th February, 2019. Co – organizer: Faculty of Engineering, University of Rajshahi.

RUET Student Branch

1. SHORT COURSE ON “HVDC POWER TRANSMISSION” – ECE Building, RUET, 31st January, 2019– 8th March, 2019, Co-organizer: IEEE RUET IAS Student Branch Chapter.
2. IEEE FRESHER’S RECEPTION PROGRAM - ECE Building, RUET, 14th February, 2019.
3. WORKSHOP ON “FAST CHARGING OF SOLAR BASED HYBRID ELECTRIC VEHICLE” - Seminar Room, Faculty of Mechanical Engineering, RUET, 28th February, 2019.
4. CELEBRATION OF “INTERNATIONAL WOMEN'S DAY-2019” – RUET Campus, 8th March, 2019. Co - organizer: IEEE RUET WIE Student Branch Affinity Group and RUET English Club.
5. SEMINAR ON “INSIGHTS OF A DISSERTATION THESIS/PROJECT” - RUET Auditorium, 24th April, 2019.
6. IEEE CALL FOR VOLUNTEERS – RUET Cafeteria, 27th April, 2019.
7. CELEBRATION OF “IEEE PES DAY-2019” - ECE Seminar Room, ECE Building, RUET, 28th April, 2019.
8. JOIN IEEE: HALF YEARLY MEMBERSHIP RECRUITMENT – RUET Campus, 30th April, 2019.
9. LOGO DESIGN CONTEST- RUET Campus, 18th May, 2019 – 16th June, 2019. Co- organizer: IEEE RUET CS Student Branch Chapter.
10. WORKSHOP ON “ANTENNAS AND PROPAGATION” – Department of EEE, RUET, 27th – 28th June, 2019.

Student Branch, DU

1. SEMINAR ON “HIGHER STUDIES IN USA” - Dept. of Electrical and Electronics Engineering, Curzon Hall, University of Dhaka, 9th January, 2019, Co – organizer: Higher Study Abroad (HSA), IEEE Computer Society Student Branch Chapter DU and IEEE Robotics and Automation Society Student Branch Chapter DU.
2. WORKSHOP ON “SENSOR-BASED APPLIED MACHINE LEARNING” (A BEGINNER'S JOURNEY) - Department of Robotics & Mechatronics Engineering, DU, 20th January, 2019, Co-Host: IEEE Robotics and Automation Society Student Branch Chapter DU.
3. SEMINAR ON “TRAIN FOR A BETTER FUTURE WITH TAHOE” - Dept. of Electrical and Electronics Engineering, Curzon Hall, University of Dhaka, 5th February, 2019.
4. 3 DAY LONG WORKSHOP ON “PYTHON” - Fab Lab DU, EEE Building, 1st Building of Curzon Hall, University of Dhaka, 28th April, 5th May and 12th May, 2019. Co – organizer: Fab Lab DU.

SUST Student Branch

1. WORKSHOP ON “PCB DESIGN AND DRONES” - Institute of Information and Communication Technology - IICT, SUST, 23th March, 2019.
2. IEEE CS BANGLADESH CHAPTER "MEET & GREET" AT SYLHET- Institute of Information and Communication Technology - IICT, SUST, 19th April, 2019. Co-Host: IEEE Computer Society Bangladesh Chapter.

SU Student Branch

1. WORKSHOP ON “PCB DESIGN” - Siddeshwari Campus, Stamford University, 28th April, 2019, Co – Host: IEEE Stamford University WIE Student Branch Affinity Group and IEEE Young Professionals Bangladesh.
2. CELEBRATION OF “IEEE PES DAY-2019” – Siddeshwari Campus, Stamford University, 28th April, 2019.

UAP Student Branch

1. WORKSHOP ON “LATEX” - UAP Main Campus, 17th, 18th and 28th April, 2019, Co-organizer: EEE Project Club, UAP.
2. ORIENTATION PROGRAM FOR THE NEW IEEE MEMBERS OF 2019 – UAP Campus, 18th April, 2019, Co – Host: UAP SB WIE Affinity Group.
3. DRONE MAKING WORKSHOP – UAP Main Campus, 27th April, 2019. Co- organizer: EEE Project Club, UAP.
4. LINE FOLLOWER ROBOT COMPETITION - UAP Plaza, UAP Main Campus, 30th April, 2019, Co- organizer: EEE Project Club, UAP.
5. IEEE PES DAY CELEBRATION-2019: PHASE – 1 and Phase – 2 – UAP Main Campus, 12th May, 2019 and 19th June, 2019. Co– Host: IEEE UAP Student Branch WIE Affinity Group.
6. SEMINAR ON “CYPE DESIGN SOFTWARE” – UAP Main Campus, 17th June, 2019.

UIU Student Branch

1. WORKSHOP ON “INTRODUCTION TO BASIC TCAD” – Seminar Room, UIU Campus, 3rd April, 2019. Co- Host: IEEE UIU IAS Student Branch Chapter.
2. WORKSHOP ON “MOSFET IMPLEMENTATION USING TCAD” - UIU Campus, 9th April, 2019. Co- Host: IEEE UIU IAS Student Branch Chapter.
3. SEMINAR ON “THE POLISH EDUCATION SYSTEM” – UIU Campus, 19th June, 2019.
4. EEE & ME (ORIENTATION PROGRAMME FOR NEWLY ADMITTED STUDENTS OF SUMMER 2019) – Department of EEE, UIU, 23rd June, 2019.

ULAB Student Branch

1. IEEE MEMBERSHIP DEVELOPMENT WEEK - Campus B Lobby and Permanent Campus Canteen, ULAB, 24th, 26th & 27th February, 2019 and 1st, 2nd and 3rd April, 2019.
2. IEEE COMPUTER SOCIETY BDC “MEET & GREET-2019: DHAKA” - Auditorium, University of Liberal Arts Bangladesh, Campus A, 2nd March, 2019. Co – Host: IEEE Computer Society Bangladesh Chapter.
3. KNOW YOUR RESOURCES (CONSECUTIVE NUMBERS OF WORKSHOPS AND TRAINING SESSIONS TO INTRODUCE OUR MEMBERS AND NON-MEMBERS) - Campus A, University of Liberal Arts Bangladesh (City Campus), 28th March – 27th April, 2019. Co – Host: IEEE ULAB Student Branch WIE Affinity Group.
4. IEEE FRESHER'S ORIENTATION SPRING-2019 - Campus B Seminar Room, ULAB, 4th April 2019. Co – Host: IEEE ULAB Student Branch WIE Affinity Group.
5. WORKSHOP ON “VTOOLS: IEEE VOLUNTEER TOOLS” - ULAB Permanent Campus, 27th April, 2019.