



IEEE BRAC UNIVERSITY STUDENT BRANCH

Special points of interest:

- IEEE BRACU SB was established in 2008
- The 2009 IEEE BRACU SB brought home the 'Most vibrant student section' award at the 125th IEEE student congress in Singapore.
- 2010 IEEE Day was celebrated with a tour to AERE Bangladesh.
- 2011 Chairperson Rumman Huq attending Congress at Auckland; distinguished members launch first ever IEEE BRACU SB notice board & Newsletter.

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IEEE in BRAC University (2008-2011)

IEEE also known as Institute of Electrical and Electronics Engineers started its glorifying journey back in the year 1884 at New York. The mission of this small group of electrical professionals was to support professionals and to initiate new and creative ideas and applications for the society. IEEE now has spread across the globe, and BRAC University has also been joined into this world famous organization since 2008. The inaugural session of IEEE BRAC University Student Branch (BRACU SB) was held on the 6th of July 2008 at the Indoor Games Room of BRAC University. Prof Saifur Rahman, the Director of the Advanced Research Institute at Virginia tech and former Vice President of IEEE Publications Board, was the Chief Guest of the event.

He officially inaugurated the student branch by launching the website (<http://ieeef.bracu.ac.bd>). This website also holds information on IEEE BRACU SB past and present events, and will also feature this very newsletter.

The inauguration ceremony also included Professor Aynal Haque from BUET, the current Chair of IEEE Bangladesh Section, was the special guest of this event. Professor Jamilur Reza Chowdhury, the then Vice Chancellor of BRAC University was also present during the inaugural ceremony. The Executive Body consisted of Dr. Azad Akm as Faculty Advisor, Mahdin Mahboob as President, Sunjib Kumar Singha as Vice-President, Annajiat Alim Rasel as Treasurer and Nabila Naushin as the Secretary of the branch. (contd in pg2)

2011 IEEE BRAC University Student Branch Organization:

- **Counselor:**
AKM Abdul Malek Azad (a.azad@ieeef.org)
- **Chairperson:**
Tasneem Rumman Huq (rumman@ieeef.org)
- **Vice-Chair:**
Md. Jonayet Hossain (jonayet.bu@gmail.com)
- **Secretary:**
Mahmudul Hasan Oyon (ece.oyon@gmail.com)
- **Treasurer:**
Syedur Rahman Sakir (sakir@ieeef.org)



Prof Jamilur Reza Chowdhury at the inauguration of IEEE BU SB, 2008.

Special words from Mahdin Mahboob - BRACU SB Chair 2008

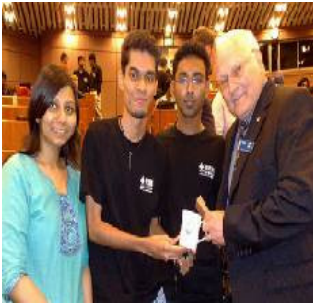
Best wishes to the all new IEEE newsletter! I am very happy to learn that the IEEE Student Branch at BRAC University is bringing out its own newsletter. The student branch has come a long way since its inception in 2007 when some enthusiastic students and teachers of BRAC

University took on the mission to establish IEEE student branch in the university. IEEE BRACU SB I wish the student branch and its newsletter all the best.

Mahdin Mahboob
Founder Chairperson IEEE BRACU SB, 2008



IEEE in BRAC University contd ...



At the 125th anniversary IEEE Student Congress, 2009, Singapore with the "Most Vibrant Student Section"



IEEE foundation president & IBM Director Dr. Richard J. Gowen at BRAC University.

The following year the executive body included Nabila Naushin as the Chairperson, Rasel Chowdhury as the Vice Chair, Shiblee Imtiaz Hasan as the Secretary and Md. Eftakhairul Islam as the Treasurer. It was during this year 2009 that three of the branch EB members participated in the 125th anniversary IEEE Student Congress 2009 in Singapore and brought the "Most Vibrant Student Section Award" for Bangladesh. Exclusive events organized by this branch includes: Lecture by IEEE Foundation President & IBM's Director

(Research) in August 2009, IEEE 125th Anniversary Workshop on Electronics and Communication in June 2009, IEEE Seminar on "Semiconductor Trends for RF Wireless" by Dr. Razak Hossain in July 2009 and Nanotech Lecture - "A Gentle Introduction to Nanotechnology" by Dr. Mumit Khan in April 2009.

The year 2010 once again had Shiblee Imtiaz Hasan as the Chairperson, Md. Eftakhairul Islam as the Vice Chair, SK. Adnan Rabbi as the Secre-

tary and Adnan Al Moshi as the Treasurer.

The 2011 EB members consists of Rumman Huq as chairperson, Jonayet Hossain as Vice Chair, Mahmudul Hasan Oyon as Secretary and Syedur Rahman Sakir as the Treasurer. The present EB has already organized a handful of events which consists of the Civil Aviation Tour and Workshop on Biomedical Instrumentation and Renewable Energy. This vibrant and active branch hopes to achieve much more recognition.

IEEE BRACU SB chair 'Rumman Huq' at congress ...

"IEEE Bangladesh BRAC University had a stall at the cultural night and was a big hit"

Rumman Huq, the IEEE BRAC University 2011 chair person attended IEEE Region 10 Congress at the University of Auckland. This congress united all the IEEE SB delegates from R10 where they got to share their ideas and views about technical as well as geographical issues. IEEE Bangladesh BRAC

University had a stall at the cultural night and was a big hit.

Rumman with Prof Toshio Fukado (top)

Rumman with Prof Lawrence Wong, R10 director (bottom); at the congress in Auckland.



IEEE BRACU SB Civil Aviation Tour

By Tasfia Rahman



Inside the airbus under repair

IEEE BRAC University Student Branch organized a technical tour for the IEEE student members on the 26th of May. The destination was Hazrat ShahJalal International Airport's Civil Aviation Authority Complex.

This technical tour to the Civil Aviation Complex focused on the various technicalities required during air traffic control. The students received an entire tour into the restricted zones of air craft maintenance and repair, spare parts building, radar station, control tower

and more. The IEEE BRACU SB would sincerely like to thank the Civil Aviation Authority for their support, encouragement and primarily the permission to visit these places. (Contd Pg4)

Workshop on “Biomedical Instrumentation and Renewable Energy” at BRAC University - By Tasfia Rahman

On the 23rd of May, 2011 BRAC University in collaboration with BATTCO Engineering organized a highly successful workshop on “Biomedical Instrumentation and Renewable Energy”. The workshop included Mr. Giorgio Guglielmino, Ambassador of Italy to Dhaka, as the chief guest; and Professor Ainun Nishat, Vice Chancellor of BRAC University as a special guest. Other distinguished speakers included

Professor Khondkar Siddique-e-Rabbani, Chairperson of department of Biomedical Physics and Technology, Dhaka University; Professor Subrata Kumar Aditya from Dhaka University and Engr. Enrico Selva Bonino, Export area manager from DeLorenzo group. The half day long workshop was organized by the Electrical and Electronics Engineering (EEE) Department of BRAC University, and consisted of a

welcome note by Dr. Sayeed Salam, Chairperson of the department of EEE, BRACU; followed by an inauguration speech by Professor Ainun Nishat, VC and then the Ambassador of Italy Mr. Guglielmino. This was followed by presentation of crests to the honorable speakers and presenters.



Prof. Ainun Nishat handing over the crest and gift to Ambassador of Italy

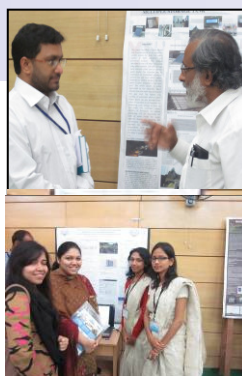
IEEE Sponsored Poster Presentation Session

By Raisa Tamanna Khan

Promising thesis projects on “Biomedical Instrumentation and Renewable Energy” were exhibited through a poster presentation during the workshop and this was sponsored by IEEE BRACU SB.

All thesis work were done by BRAC University students and consisted of both published and unpublished work.

Dr. AKM Azad from BRACU and Prof. Rabbani from DU during the poster presentation (top); Students during the poster presentation (below)



“All thesis work were done by BRAC University students and consisted of both published and unpublished work.”

IEEE BRAC University Student Members List 2011

Tanzina R Tanni; Tasfia Rahman; Umme Salma; Humayra Islam; Shawzia Dewan; Mahmudul Hasan Oyon; Md. Eftakhairul Islam; Shiblee Imtiaz Hasan; Farah Naz; Wasi U Ahmed; Marifa F Reza; Muhammad I Hossain; Parag Barua; Prianka Sengupta; Rizwana Matin; Md. S Chowdhury; Shifur R Shakil; Tasnia Jahed;

Nuha Saeed; Momtaz Mumu; Ipshita D Dola; Shamit Chakraborty; Mahfuza Munira; Raisa N Noor; Tasnima A Juhi; Niaz Iqbqql;

Shahriar Ahmad; Syed M Sunny; Tanzina A Chowdhury; Sayeem A Safi; Tanziha Nujhat; Tanvir Roushan; Syedur R Sakir; Sadia T Taher; Tasneem R Huq; Riaz Mahmood;

Kazi M Razin; Md. Enamul Haque Rakib; Raisa T Khan; Noor-E N Alam; Nuzhat N Sayeed; Nishar J Mourin; Khondker N Reza; Tanzina H Meghna; Md. R Rahman; Jonayet Hossain; Jakia Sarwar; Dipankar Chaki; Badruddin Kamal; Aysha S Shanta

IEEE NOTICE BOARD



IEEE BU SB Notice board on the 12th floor of Aarong House building, BRAC University, Mohakhali Campus

To contribute to the next issue of this newsletter, send in your articles or any other writings to the following mail address:

tasfia@ieee.org and a CC to either
rumman@ieee.org OR
sakir@ieee.org

[http://ewh.ieee.org/sb/
bangladesh/bracu](http://ewh.ieee.org/sb/bangladesh/bracu)

From the Editor: Tasfia Rahman

IEEE BRAC University Student Branch has been an active and enthusiastic unit of region 10, always trying to come up with new innovative ideas. To take this a step further with the help of my very helpful EB members Rumman and Sakir, we have decided on publishing our very own newsletter. I feel great pride in providing you all with our very first issue, and hope you enjoy knowing all about our various activities, seminars, workshops and fun tours. I would like to mention Dr. AKM Azad who gave us constant guidance and support, and last but not the least my co-correspondent Raisa Tamanna Khan. Hope you all enjoy this newsletter and contribute towards making this branch more active and successful.

From the Faculty Advisor: Dr. AKM Azad

IEEE BU SB has been an active and dynamic branch, organizing various educational and motivating events like seminars, technical tours and workshops over the last four years. Our effort is to inspire students to participate in events occurring both locally as well as internationally. This diversifies their knowledge and understanding of a particular subject. I have been serving as Counselor of IEEE BRACU SB since it's foundation in 2008. I extend a warm welcome to our members from BRAC University and congratulate them on becoming a part of our vibrant professional organization. I present this newsletter as a humble approach to give you a glimpse of the accomplishments that we've gained throughout our journey so far.

Civil Aviation Tour Contd ...

Accompanied by an official the students were given a demonstration of how the signal processing is done using transmitters and receivers in the radar station. The later part of this tour was a breathtaking visit to the control tower, from where an entire communication between the controllers from the Bangladesh Air Force and an airbus was witness by the students.

Another segment of the tour consisted of a visit to the Plane Hangar of Biman Bangladesh, where an entirely dismantled airbus was set up for maintenance and repair. The stu-

dents got a demonstration and up-close look at the cockpit, and got to know tit-bits of how to pilot a plane, they got to visit the stations where the engineers were working on other spare part building like the tyre shop, seat cover unit, etc.

This was an extraordinary opportunity for the IEEE members where they got to view the real life applications of all theories learnt. This indeed was a magnificently organized tour and an immense learning opportunity for all the students who could go to this event.



IEEE BRACU SB Members at the Civil Aviation Authority complex

Newsletter Editor: Tasfia Rahman

Newsletter Correspondent: Raisa Tamanna Khan

Electronic Copy of this newsletter also available on our website: [<http://ieee.bracu.ac.bd>]