

# **Seminar on Science and Engineering 2012**

## **Faculty of Science and Engineering**

### **International Islamic University Chittagong**

*Bismillahir Rahmanir Rahim*

Assalamu A'laikum Wa Rahmatullahi Wa Barakatuhu

It is our pleasure to invite you to the "Seminar on Science and Engineering 2012" organized by the Faculty of Science & Engineering, International Islamic University Chittagong (IIUC) scheduled on Thursday, **January 19, 2012 at 10:00 am at Auditorium**, Department of Pharmacy IIUC.

**Professor Dr. Abu Bakr Rafique**, the Honorable Vice-Chancellor (Acting), IIUC has given his kind consent to grace the occasion as the Chief Guest.

**Prof. Dr. Md. Delawer Hossain**, Dean, Faculty of Science & Engineering, IIUC will preside over the Inaugural session.

Your cordial participation will glorify the occasion.

**Mohammed Shamsul Alam**  
Convener, Organizing Committee  
Seminar on Science and Engg 2012

**Prof. Dr. Md. Delawer Hossain**  
Dean, Faculty of Science & Engineering  
International Islamic University Chittagong

#### **Program Schedule**

- 10:00 Guests take their seats  
10:05 Recitation from the Holy Qur'an  
10:10 Address of Welcome by **Mohammed Shamsul Alam**, Convener, Organizing Committee, Seminar on Science and Engineering 2012  
10:15 Speech by Chief Guest, **Professor Dr. Abu Bakr Rafique**, the Honorable Vice-Chancellor (Acting), IIUC  
10:25 Speech by President of the seminar **Prof. Dr. Md. Delawer Hossain**, Dean, Faculty of Science & Engineering, IIUC

#### **First Technical Session(10:30 AM to 11:50 Noon)**

Chair: **Prof. Dr. Md. Delawer Hossain**, Dean, Faculty of Science & Engineering, IIUC

**Paper 1:** Ahmad Kamal Hassan, Ahsanul Hoque Dr. Arild Moldsvor: Automated Micro-Wave(MW) Antenna Alignment of Base Transceiver Stations

**Paper 2:** Nahidul Hoque Samrat, Tanvir Islam: Study of Wave Energy Potential in Bangladesh

**Paper 3:** Fakir Sharif Hossain, M. Shafiul Alam, Md. Mahbulul Alam Joarder: Mobile Device and Web based Remote Controller on Data Repository

**Paper 4:** M. Shafiul Alam, Md. Abdur Razzak, Fakir Sharif Hossain and A. Hasib Chowdhury  
Transient Stability Enhancement of East West Interconnected System Using Static VAR Compensator (SVC)

**Paper 5:** Mst. R. Khatun & M. S. Islam: Polarization splitter properties of dual core hexagonal PCF

**Paper 6:** Ms. Fouzia Ferdous, Mst. Shahnaj Parvin: The role of Islamic thought in Science and Technology

#### **Second Technical Session (12:00 PM to 1.40 PM)**

Chair: **Prof. Dr. Md. Shahadat Hossain**, Professor, Dept. of Computer Science & Engineering, CU

**Paper 7:** Md. Golam Rabiul Alam: A Collaborative M-banking Model using Fingerprint Biometric and Steganography

**Paper 8:** Md. Monirul Islam, Mohammed Mahmudur Rahman: Ontology Extraction from Relational Schemata

**Paper 9:** A. K. M. Masum, Faruk bhuyan, Md. Shamsul Alam: RFID Applications: Prospects and challenges in bangladesh

**Paper 10:** Mst. Shahnaj Parvin, Ms. Fouzia Ferdous: The concept of Smart City: Digital Bangladesh Perspective

**Paper 11:** Md. Ibrahim Arafat: Brain-Computer Interface: Past, Present and Future

**Paper 12:** Farhana Haider, Humayira, Nishat Sadia:: A Framework for e-Governance System in Bangladesh Perspective

**Paper 13:** Md. Rashidul Islam, Md. Masud Kaisar Khan, Abu Ishaque Md. Forhad: Co-Ordinate Load control and load shedding balance by using microcontroller.

**Paper 14:** Sayed Zahed Abdullah Sohel, Muhammad Kamar Uddin, Mohammad Amin: Suitable wind energy conversion system for Bangladesh.

1:40 Closing Speech by **Prof. Dr. Md. Delawer Hossain**, Dean, Faculty of Science & Engineering, IIUC

1:45 – 2:00 **Zohor Pray & Lunch**