



Institutional Quality Assurance Cell (IQAC)

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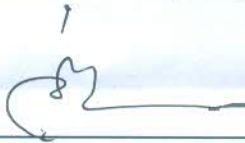
Seminar on “Top Universities Go for Washington Accord Outcome-based Accreditation”

A seminar on ‘**Top Universities Go for Washington Accord Outcome-based Accreditation**’ organized by the Institutional Quality Assurance Cell (IQAC), BUET in association with Board of Accreditation for Engineering and Technical Education (BAETE) will be held on **18 October 2017 at 4:00 pm** at the **Council Building, BUET**.

The Speaker of the seminar is **Prof. Kai Sang LOCK**, Washington Accord Mentor to BAETE and Professor of Singapore Institute of Technology, Singapore.

Professor Dr. Saiful Islam, Honorable Vice-Chancellor of BUET will be present as the Chief Guest and **Professor Dr. Jamilur Reza Choudhury**, Honorable Vice-Chancellor of the University of Asia Pacific and Chairman of BAETE will be present as the Special Guest of the program.

You are kindly requested to attend the Seminar.


Professor Dr. M. Rafiqul Islam
Director, IQAC

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Encl: Synopsis of the Seminar and Speaker’s Biography.

Mr. Aziz

Seminar
on
Why Top Universities Go for
Washington Accord Outcomes-based Accreditation
By
Professor Kai Sang LOCK

Washington Accord Mentor to BAETE
Past Chairman, Engineering Accreditation Board
Past President, Institution of Engineers, Singapore
Professor, Singapore Institute of Technology

---- 18 October 2017, 1600 to 1800, venue --- Council Building, BUET

Synopsis

The speaker shall deliver the seminar in three parts, each of about 30-minutes presentation. The first part examines the development of outcomes-based education and the adoption of outcomes-based accreditation system for engineering programs under the Washington Accord (WA) framework. The second part explains BAETE's accreditation criteria which are substantial equivalent to the WA benchmark, focusing on program learning outcomes and the program educational objective. During the third part presentation, the speaker will explore with BUET faculty the benefits of BAETE/WA accreditation in the context of BUET and its graduates, BAETE and Bangladesh, drawing on the positive accreditation experience of some top universities such as MIT and NUS.

Speaker's Biography

Professor Kai Sang LOCK

BSc PhD Hon. FIES, FSEng SFAAET FIET FICS FSI Arb CEng ACPE PEng(S)

Kai Sang is passionate about standard and quality of engineering education. He has made significant contribution to accreditation of engineering programs both in Singapore and internationally. He was Chairman of the Engineering Accreditation Board, IES from 2002 to 2009 and led IES to become a signatory of the Washington Accord (WA) in 2006. He still actively contributes as a program evaluator or team chair for accreditation evaluation of engineering programs. He regularly conducts accreditation workshops for program evaluators and university faculty. He served as WA mentor to National Board of Accreditation, India and the Pakistan Engineering Council, helping them to become full signatory of WA in 2014 and 2017, respectively. He is now a mentor to Institution of Engineers, Bangladesh. He was appointed by Washington Accord as Chairman of review teams to South Africa, South Korea, USA, and China. He has delivered many workshops and keynotes on quality assurance and accreditation of engineering education at international forums. At his universities, he plays the role of faculty in preparing programs for accreditation visits.

He received his B.Sc. (1st Class Honours) in Electrical and Electronics Engineering in 1975 from the University of Strathclyde, UK. He completed his Ph.D. degree at the same university in 1979

researching on the design optimization of electrical machines. He joined the National University of Singapore as a lecturer in 1980 and was the Head of its Power and Machines Division, Department of Electrical Engineering, when he left in 1997 to set up his consulting practice. After 19 years as practicing professional engineer, he returned to the Academia in 2016 as a Professor at Singapore Institute of Technology (SIT). Concurrently he is an Adjunct Professor at Singapore University of Technology and Design (SUTD).

He was President of Institution of Engineers, Singapore from May 2001 to May 2003. He has served as a Board Member of the Professional Engineers Board, Singapore for 11 years, and was chairman of its examination committee responsible for the implementation of the examination system for qualifying professional engineers in Singapore. In 2013, he was engaged by Engineers Registration Board, Botswana as Technical Advisor to help setting up its registration system for professional engineers.

He is a Fellow of Academy of Engineering, Singapore, Honorary Fellow of Institution of Engineers, Singapore and an Honorary Fellow of ASEAN Federation of Engineering Organizations.

He received the Public Service Medal and the Ministry of National Development's Medallion in 2015 for his contribution to the engineering profession. He was conferred the Outstanding Power Engineer Award by the IEEE Power Engineering Chapter in 1998.

He is well-versed with standards and codes of practice and was the Chairman of Singapore Standards Council for 6 years, actively contributing to the promotion and establishment of Standards and Codes of Practice in Singapore. He plays an active role in energy efficiency, being the Co-Chair of Steering Committee of Singapore Certified Energy Managers (SCEM) Scheme, and Chairman of Accreditation Committee for Energy Service Companies (ESCOs). He co-authored the book "Grounds for Grounding: a Circuit-to-System Handbook" published by IEEE/John Wiley in 2010.