Practical Competences in Engineering and Technology Enhanced Learning:
MOOCs and Emerging Areas at the IEEE Education Society

Professor Manuel Castro, Fellow IEEE
President of the IEEE Education Society

- Date: 29 August, 2013 (Thursday)
- Time: 5:00 p.m. – 6:00 p.m.
- Venue: Room 1009
            William M. W. Mong Engineering Building
            The Chinese University of Hong Kong

Abstract. Engineering vision is being updated with the practical and virtual knowledge ubiquitously and pervasively. New techniques and access to the laboratories and practical instruments as well as more and better virtual tools allows a new vision on the sharing of knowledge fueled by the new tendency in open and shareable contents and usability. New laboratories, repositories, federations and projects are being spread out along the institutions and along the world to follow the new open and share paradigm, sometimes free and some times under a low cost, but always having in mind a shareable capacity to allow the best practice engineering work and perception. In this seminar, Professor Manuel Castro shares about insights and cases in Massive Open Online Courses (MOOCs), as well as a number of emerging areas at the IEEE Education Society.

About the speaker: Professor Manuel Castro is the Professor of Electronics Technology in Electrical and Computer Engineering Department, Spanish University for Distance Education (UNED). He works in research and development projects in various Spanish and European Community initiatives, and is a Fellow member of IEEE for his contributions to distance learning in electrical and computer engineering education. His research areas include Virtual Instrument Systems in Reality (VISIR), remote laboratories, distance learning pedagogies and technologies, as well as energy. Professor Castro is the 2013-2014 President of the IEEE Education Society.

About the IEEE Education Society: Established in 1957 as the IRE Professional Group on Education, The IEEE Education Society is a society of the Institute of Electrical and Electronics Engineers (IEEE), focused on the theory and practice of education and educational technology needed to deliver effectively domain knowledge in the fields of interest of IEEE. The Society publishes and co-publishes a number of IEEE transactions and magazines, including IEEE Transactions on Education and IEEE Transactions on Learning Technologies (joint publication with the IEEE Computer Society).

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All are welcome