Keynote Professor Liz Bacon

**Session 1: Course and Curricular Design**
Ethical and Professional Issues: Transcending the Obstacles to Student Engagement
*Dr Barry G Blundell FBCS and Louise Weiwei Lu* (Auckland University of Technology, New Zealand)

Quality Improvement in an Egyptian Higher Education Institution: A Case Study

Problem-Focused Education and Feedback Mechanisms for Re-designing a Course on Open Source and Software Quality
*Juri Valtanen and Eleni Berki* (University of Tampere, Finland), *Konstantinos Barlas* (National Technical University of Athens, Greece), *Linfeng Li* (Beijing Institute of Petrochemical Technology, Beijing, China), *Mirjan Merruko* (CONFORMIQ, Automated Test Design, Espoo)

Lecture, Exercise, Apply, Feedback: Turning a new LEAF in Curriculum Design and Module Delivery.
*Ian Mitchell* (Middlesex University), *Mohamed Sheriff* (University of Dammam, Saudia Arabia)

**Session 2: Assessment and Feedback**
Blended Feedback: Delivery of feedback as digital audio on a computer programming unit
*Suzy Atfield-Cutts and Sheridan Jeary* (Bournemouth University)

“Automating” the **Mexican Hat** Approach: Use of automation processes to speed-up formative assessment
*Sofia Meacha†, Mark Udall, Alan Robinson* (Southampton Solent University)

**Session 3: Modes of Thought**
A View: Computational Thinking in Regard to Thinking and Problem-Solving
*Aleksi Tiensuu* (University of Tampere, Finland)

The Importance of Developing Critical Thinking in HE
*Maria Lemac* (Hammersmith and West London College, London)

**Section 4: Use of Technology in Education**
Benefits and Challenges of Social Media in Learning: Learners’ Viewpoints
*Kerstin Siakas and Errikos Siakas* (Alexander Technological Educational Institute of Thessaloniki, Greece), *Elli Georgiadou* (Middlesex University)

Attracting and Retaining Female Students in STEM programs: Are Online Programs Different?
*Karlyn A. Barilovits* (Walden University, North Carolina, USA)

Exploring Social and Professional Issues Through Community Engagement, An Integrative Course on Ethics in Computing
*Kathleen M Kelm*, Laureate Online Education B.V., Amsterdam, The Netherlands

MOOCs: Where Technology meets Pedagogy
*Eleanor Dewar*, (The HEAD Foundation, Singapore)
MOOCs: The future for Academia, CPD and Professional Status

Timos Almpanis, Margaret Ross (Southampton Solent University)