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# **GC 2012-5652: DEVELOPING QUALITY ENGINEERING PROGRAMS**

**Dr. Ariffin Abu Hassan, RCEE**

## **ASEE International Forum 2012**

### **RCEE Plenary Session**

#### **Plenary: Establishing innovative strategies through the virtuous cycle of research in engineering education**

1. Importance of conducting meaningful research in engineering education - KMY (15 minutes)
2. Sample research from UTM (SAH, ZZN, FP, MAAH, KMY) - 5 minutes each - 20 minutes
3. Activity: Identifying possible questions that can be researched - FP (15 minutes)
3. Detail example of innovative strategy in virtuous cycle of research - Cooperative Problem Based Learning (effectiveness, training) - KMY & SAH (20 minutes)

KMY - Khairiyah Mohd-Yusof

FP - Fatimah Puteh

SAH - Syed Ahmad Helmi

ZZN - Zainura Zainon Noor

MAAH - Mohd Ariffin Abu Hassan

#### **Parallel Session**

1. Student Development through the UTM-DTU International Summer Course on Sustainable Consumption and Production - Dr. Zainura Zainon Noor
2. Developing Quality Engineering Programs - Assoc. Prof. Dr. Mohd. Ariffin Abu Hassan
3. Collaborative Efforts in Developing the PhD in Engineering Education Program in UTM - Assoc. Prof. Dr. Khairiyah Mohd-Yusof & Dr. Syed Ahmad Helmi
4. MyLine: Providing resources for learning in English On-line - Ms. Fatimah Puteh
5. Developing capabilities for training engineering faculty members in effective teaching and learning methods - Assoc. Prof. Dr. Khairiyah Mohd-Yusof & Dr. Syed Ahmad Helmi

