

For more information
<http://utmlead.utm.my//laticerceerhed2014>



Workshop / Doctoral Consortium

Date : **9th April 2014 (Wednesday)**
Venue : **UTM Academic Leadership (UTMLead)
Block F54, UTM Johor Bahru**

Registration Form

Name

Tel. No. Mobile

E-mail

Please tick the applicable box

- Local students
USD25 (RM70)
- International students
USD70

(Not attending the full conference)

Payment Method :

- Please send an invoice
- Payment Enclosed Cheque no.
Payable to Bendahari UTM
- Online Payment**
Beneficiary Name : BENDAHARI UTM
Bank Name : CIMB Bank
Bank Address : CIMB UTM Branch,
81310 Universiti Teknologi Malaysia,
Skudai, Johor
- Account no. : 0118 000 000 1051 / 8006053536 (New)
SWIFT Code : CIMBBMYKL

Please email the registration form and proof of payment to
ctl@utm.my / laticerceerhed2014@gmail.com



2014 LaTiCE-RCEE RHEd Secretariat
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Doctoral Consortium

In conjunction with LaTiCe 2014 conference, a doctoral consortium will be organized as a pre-conference workshop. The workshop will be held in Universiti Teknologi Malaysia (UTM) Skudai, Johor Malaysia. The aims of the workshop are:

- To offer a friendly forum for doctoral students to discuss issues related to their research in computing and engineering education / educational technology;
- To receive constructive feedback from their peers and senior researchers;
- To support networking with other researchers in the computing and engineering education research field;
- To discuss the process of research and life in academia;
- To provide seminars on different issues related to completing doctoral studies.



KEMENTERIAN
PENDIDIKAN
MALAYSIA



WORKSHOP & DOCTORAL CONSORTIUM / 9 APRIL 2014 (Wednesday)

8:15 AM - 9:00 AM REGISTRATION			
WORKSHOP 9:30 AM - 1:00 PM Coffee Break : 10 AM	Room 1 USING SOFTWARE TOOLS FOR QUALITATIVE DATA ANALYSIS Dr. Neena Thota	Room 2 PRACTICAL MACHINE LEARNING TOOL FOR MINING EDUCATIONAL DATA Dr. Nor Bahiah Ahmad	Room 3 PLANNING, PREPARING AND PUBLISHING RESEARCH IN ENGINEERING EDUCATION Assoc. Prof. Lyn Brodie
1:00 PM - 2:00 PM LUNCH			
DOCTORAL CONSORTIUM AREA Lead Person	Room 1 COMPUTING EDUCATION Dr. Neena Thota Dr. Norbahiah Ahmad	Room 2 ENGINEERING EDUCATION Assoc. Prof. Lyn Brodie Assoc. Prof. Khairiyah Yusof	Room 3 ENGINEERING EDUCATION Dr. Fatin Aliah Phang Dr. Mohd Fadzil Daud
2:00 PM - 5:00 PM Coffee Break : 3.30 PM	PARALLEL SESSION 1	PARALLEL SESSION 2	PARALLEL SESSION 3

Research Area

- + Problem Solving
- + Training Instrument
- + Computer Science
- + 'Identity' Development
- + Computer in Home (CiH)
- + Accrediting Engineering Programmes
- + Machining Technology Course
- + Student-centered Learning
- + Approach to Student Learning
- + Technical Education
- + Assessment
- + Project Based Learning
- + Engineering Design Course
- + Interactive Teaching
- + Entrepreneurship Education
- + Video Based Learning
- + Mathematical Thinking Experience
- + Rubrics
- + Critical Thinking Skills
- + Analysing Cultural Dimensions

For more Information, please visit our website:

http://utmlead.utm.my/latice_rceerhed2014

Using Software Tools for Qualitative Data Analysis

Dr. Neena Thota

Today, researchers increasingly make use of software tools for their qualitative data analysis (QDA). Computer Assisted/Aided Qualitative Data Analysis (CAQDAS) tools help in coding, annotating, retrieving and analysing data. They may be used to analyze interview or focus group transcripts, or open ended answers from questionnaires. This hands-on workshop gives an overview of the use of the tools for data analysis and for literature review. Some practice in QDA techniques and the use of software to analyse sample data will be given.

Practical Machine Learning Tool For Mining Educational Data

Dr. Nor Bahiah Ahmad

The workshop will give hands-on experience on how to use the WEKA data mining toolkit. WEKA is the most widely-used open source data mining software used for research analysis. The workshop will cover basic machine learning techniques provided in WEKA by showing all phases in data mining, such as data pre-processing, classification, association rules, and visualization. Participants will have the ability to employ several machine learning technique to mine their data and for comparative analysis of several techniques. of software to analyse sample data will be given.

Planning, Preparing and Publishing Research in Engineering Education

Assoc. Prof. Lyn Brodie

This workshop begins with a presentation on engineering education in Australia, current issues and future directions. Research in engineering education is a new but rapidly growing area but for most engineering academics it does represent a new discipline, with a variety of publication and research options. This workshop will help develop a research plan with a view to publishing in a relevant venue.