Recent Advances in Education and Educational Technology

Proceedings of the 14th International Conference on Education and Educational Technology (EDU '15)

Kuala Lumpur, Malaysia, April 23-25, 2015

Scientific Sponsors

University Kebangsaan Malaysia
Universiti Teknologi Malaysia
University of Naples Federico II, Italy
RECENT ADVANCES in EDUCATION and EDUCATIONAL TECHNOLOGY

Proceedings of the 14th International Conference on Education and Educational Technology (EDU '15)

Kuala Lumpur, Malaysia
April 23-25, 2015

Scientific Sponsors

University Kebangsaan Malaysia
Universiti Teknologi Malaysia
University of Naples Federico II Italy
RECENT ADVANCES in EDUCATION and EDUCATIONAL TECHNOLOGY

Proceedings of the 14th International Conference on Education and Educational Technology (EDU '15)

Kuala Lumpur, Malaysia
April 23-25, 2015
Preface
This year the 14th International Conference on Education and Educational Technology (EDU '15) was held in Kuala Lumpur, Malaysia, April 23-25, 2015. The conference provided a platform to discuss educational software and development, computers for education, distance learning and distance teaching, intelligent robots as teachers, web-based education, management of educational institutes etc. with participants from all over the world, both from academia and from industry.

Its success is reflected in the papers received, with participants coming from several countries, allowing a real multinational multicultural exchange of experiences and ideas.

The accepted papers of this conferences are published in this Book that will be sent to international indexes. They will be also available in the E-Library of the WSEAS. Extended versions of the best papers will be promoted to many Journals for further evaluation.

Conferences such as this can only succeed as a team effort, so the Editors want to thank the International Scientific Committee and the Reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

The Editors
# Table of Contents

**Practice-Oriented Pedagogical Strategy of the French Microelectronics and Nanotechnologies Network**  
Olivier Bonnaud  

**Computer Literacy Program: A Study of Adult Student Perspectives**  
Abdul Razaq Ahmad, Fong Peng Chew  

**Innovative Approaches Towards Educational Process Improvement in Transitive Economies**  
Olga Korableva, Alexey Korablev, Victoria Litun  

**Transformation in Engineering Education: An Analysis of Challenges and Learning Outcomes**  
Sumithra Devi K. A., Andhe Dharani, Vijayalakshmi M. N.  

**Teachers and their Teaching: Challenges and Desires in Promoting Active Learning Climates**  
Yusmarwati Yusof, Rohayu Roddin, Halizah Awang, Marina Ibrahim Mukhtar  

**Analysis and Design of Documentary Film Production Course for Action Research**  
Chien-Chih Lin, Feng-Chia Chuang, Ta-Hsiang Hu, Ching-Mu Chen  

**Understanding Open Teaching: Difficulties and Key Issues**  
Andres Chiappe, Linda Luz Lee  

**Of grades, Learning Outcomes and Soft Skills Cultivation in an Engineering Technology Course with Relation to Learner Type**  
Chee-Ming Chan, Alina Shamsuddin, Azeanita Suratkon  

**Effective Teaching of Technology: Building Information Modelling (BIM) Module for Built Environment Students**  
Rohana Mahbub  

**The Mobile Learning Flipped Classroom**  
Rozhan M. Idrus  

**Influence of Developing Professional Communication on the Success of Postgraduate Research Supervisory**  
Balsam A. Mustafa  

**Action Research Implementation for Documentary Film Production Course**  
Chien-Chih Lin, Feng-Chia Chuang, Ta-Hsiang Hu, Ching-Mu Chen  

**Understanding Choice of Information Source (CIS) Among Blind and Visually Impaired (BVI) Vocational Students: Part I**  
Tengku Rafidatul Akma Tengku Razali, Abd Latif Abdul Rahman, Asmadi Mohammed Ghazali, Mohd Hafez Kamarudin
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding Choice of Information Source (CIS) Among Blind and Visually Impaired (BVI) Vocational Students: Part II</td>
<td>85</td>
</tr>
<tr>
<td>Tengku Rafidatul Akma Tengku Razali, Abd Latif Abdul Rahman, Asmadi Mohammed Ghazali, Mohd Hafez Kamarudin</td>
<td></td>
</tr>
<tr>
<td>Coastal Context in Learning Mathematics to Enhance Mathematical Problem Solving Skills of Secondary School Students</td>
<td>95</td>
</tr>
<tr>
<td>Kadir, Mustamin Anggo, La Masi, La Misu, Asrul Sani, Edi Cahyono</td>
<td></td>
</tr>
<tr>
<td>A Theoretical Study on the Influence of Visual Schedule Towards Children with Autism Independent Life and it's Chances Through Mobile Technology</td>
<td>103</td>
</tr>
<tr>
<td>Nurdalilah Mohd Rani, Rafeah Legino, Muhamad Fairus Kamaruzaman</td>
<td></td>
</tr>
<tr>
<td>Authors Index</td>
<td>109</td>
</tr>
</tbody>
</table>