



Editor
Kleanthis Psarris



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

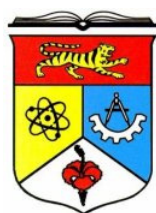


RECENT ADVANCES in EDUCATION and EDUCATIONAL TECHNOLOGY

**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**

Published by WSEAS Press
www.wseas.org

Copyright © 2015, by WSEAS Press

All the copyright of the present book belongs to the World Scientific and Engineering Academy and Society Press. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the Editor of World Scientific and Engineering Academy and Society Press.

All papers of the present volume were peer reviewed by no less than two independent reviewers. Acceptance was granted when both reviewers' recommendations were positive.

ISSN: 2227-4618
ISBN: 978-1-61804-300-9

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**

Editor:

Prof. Kleanthis Psarris, The City University of New York, USA

Committee Members-Reviewers:

Azami Zaharim

Mihai Timis

Ana-Cornelia Badea

Marcela Padilla-Guerrero

Martin Skutil

Manuela Panoiu

Philippe Dondon

Masodi Saidfudin

Alvaro Santos

Reza Sirjani

Panagiotis Gioannis

Onintra Poobrasert

Arion Felix

Daniela Litan

YuLung Wu

Seong Baeg Kim

Pareesh Rathod

Mirela Stoican

Claudio Guarnaccia

Ana Maria Tavares Martins

Jose Metrolho

Noraida Haji Ali

Antonios S. Andreatos

Pavel Varacha

Amjad Mahmood

Aw Yoke Cheng

Claudiu Mereuta

S. Sarala Subramani

Ming-Shen Jian

Philippe Fournier-Viger

Valery Vodovozov

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	11
<i>Olivier Bonnaud</i>	
Computer Literacy Program: A Study of Adult Student Perspectives	20
<i>Abdul Razaq Ahmad, Fong Peng Chew</i>	
Innovative Approaches Towards Educational Process Improvement in Transitive Economies	26
<i>Olga Korableva, Alexey Korablev, Victoria Litun</i>	
Transformation in Engineering Education: An Analysis of Challenges and Learning Outcomes	33
<i>Sumithra Devi K. A., Andhe Dharani, Vijayalakshmi M. N.</i>	
Teachers and their Teaching: Challenges and Desires in Promoting Active Learning Climates	37
<i>Yusmarwati Yusof, Rohayu Roddin, Halizah Awang, Marina Ibrahim Mukhtar</i>	
Analysis and Design of Documentary Film Production Course for Action Research	42
<i>Chien-Chih Lin, Feng-Chia Chuang, Ta-Hsiang Hu, Ching-Mu Chen</i>	
Understanding Open Teaching: Difficulties and Key Issues	47
<i>Andres Chiappe, Linda Luz Lee</i>	
Of grades, Learning Outcomes and Soft Skills Cultivation in an Engineering Technology Course with Relation to Learner Type	54
<i>Chee-Ming Chan, Alina Shamsuddin, Azeanita Suratkon</i>	
Effective Teaching of Technology: Building Information Modelling (BIM) Module for Built Environment Students	61
<i>Rohana Mahbub</i>	
The Mobile Learning Flipped Classroom	65
<i>Rozhan M. Idrus</i>	
Influence of Developing Professional Communication on the Success of Postgraduate Research Supervisory	69
<i>Balsam A. Mustafa</i>	
Action Research Implementation for Documentary Film Production Course	74
<i>Chien-Chih Lin, Feng-Chia Chuang, Ta-Hsiang Hu, Ching-Mu Chen</i>	
Understanding Choice of Information Source (CIS) Among Blind and Visually Impaired (BVI) Vocational Students: Part I	79
<i>Tengku Rafidatul Akma Tengku Razali, Abd Latif Abdul Rahman, Asmadi Mohammed Ghazali, Mohd Hafez Kamarudin</i>	

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

Authors Index

Ahmad, A. R.	20	Korableva, O.	26
Anggo, M.	95	La Masi	95
Awang, H.	37	La Misu	95
Bonnaud, O.	11	Lee, L. L.	47
Cahyono, E.	95	Legino, R.	103
Chan, C.-M.	54	Lin, C.-C.	42, 74
Chen, C.-M.	42, 74	Litun, V.	26
Chew, F. P.	20	Mahbub, R.	61
Chiappe, A.	47	Mukhtar, M. I.	37
Chuang, F.-C.	42, 74	Mustafa, B. A.	69
Devi, K. A. S.	33	Rahman, A. L. A.	79, 85
Dharani, A.	33	Rani, N. M.	103
Ghazali, A. M.	79, 85	Razali, T. R. A. T.	79, 85
Hu, T.-H.	42, 74	Roddin, R.	37
Idrus, R. M.	65	Sani, A.	95
Kadir	95	Shamsuddin, A.	54
Kamarudin, M. H.	79, 85	Suratkon, A.	54
Kamaruzaman, M. F.	103	Vijayalakshmi, M. N.	33
Korablev, A.	26	Yusof, Y.	37