# TABLE OF CONTENTS

PREFACE ............................................................................................................. ii

KEYNOTES PRESENTATION

Higher Education as the Thrust for K-Society: Imperative for Transformation .................................................. 1
Mahani Zainal Abidin

Re-Transforming Higher Education for the Knowledge Society ................................................................. 2
Dzulkifli Abdul Razak

A Holistic Approach for E-Learning In ODL Institutions ............................................................................. 3
Primrose Kurasha

SUB-THEME: ICT IN HIGHER EDUCATION

Applications of Virtual Reality Technology in Education: Focusing on Teaching and Learning .......... 4
Abdul Razak Yaakub; Juliana Aida Abu Bakar

Student Modeling for Learning of Object-Oriented Programming in E-Learning Environment ............. 12
Abdullah Mohd Zin; Sujian Idris; Nantha Kumar Subramaniam

Plagiarism Detection Systems – An Evaluation of Several Systems ............................................................... 18
Ahmad Hashem

An Overview of Middleware Technology in E-Learning Application ......................................................... 25
B. V. Durga Kumar; Kamal K Jain

Online Undergraduate Academic Advising System for Preparing Students' Study Plans: A Detailed Design .......................................................... 32
Hajar Mat Jani; Ong Siew Lian

Harnessing Learners' Insight of Online Courses and Learning Management System ........................................ 38
Hazalina Hashim; Mohammed Yusoff; Nurhizam Sofie Mohd Satar

Internet Activities in Higher Education Institution ....................................................................................... 46
Juliana Aida Abu Bakar; Siti Norezam Othman; Shahida Mohamed Zabri

Computer Utilisation Among Lecturers and Students at a Private Technical Institute of Higher Learning ................................................................. 52
Kamaruzzaman Ismail

E-Learning as an Enabler of Effective Teaching and Learning for the Knowledge Society ............................. 59
Kuldip Singh; H. Sandhu

Developing a Small Scale Web Based Video on Demand (Vod) System for Supporting E-Learning: Ftmm's Experience ................................................................................................. 67
Mohd Farhan Md Fudzee; Noorhaniza Hj.Wahid; Muhammad Fakri Othman; Rahayu A.Hamid; Norhalina Senan; Fakhurudzi Mansor

Three Dimension Courseware for Better Learning Tools to Conduct Physics Experiment .................................. 74
Mohd Kamarulzaki Mustafa; Muhammad Fikri Othman; Roshafiza Ahmad

Adaptive Hypermedia System Using Adaptive Agents ..................................................................................... 80
Natasha Elysia Joseph; Patricia Anthony; Jamal Ahmad Dargham
Availability of Public Online Systems in Thai Higher Institutions ................................................. 88
Rapeepat Techakittiroy

E-Engineering Drawing (Eed™) - A Web Based System for Teaching and Learning
Engineering Drawing for Upper Secondary Schools ................................................................. 96
Rio Sumarni Sharifuddin; Lee Ming Foong; Widad Othman

Next Generation of E-Learning: Building a Virtual University ..................................................... 102
Suryadiputra Llawatimena; Gerardus Polla; Hendy Wijaya; Herri Darmadi

Using Intentional Information Search Tools as Mind Tools for Meaningful Learning ..................... 111
Ulku Koymen; Zuhrieht Shanaa; Askin Asan

How Can Web-Based Learning System Enhance Adults Learning in Product Design ...................... 117
Widad Othman; Muhammad Sukri Saud; Nor Fadila Amin

The Transactional View of Blogs for Intercultural Communication ............................................. 126
Xavier Thayalan; Faridah Noor

SUB-THEME: HIGHER EDUCATION MANAGEMENT

Model of Research Based Learning (RbL) at The Physics Department of
Institut Teknologi Bandung ............................................................................................................ 131
A. Waris; S. Haryono; W. Surisno; F. Haryanto; A.A. Iskandar; S. Bijaksana; D. Sutarno; P. Arifin

Promoting Scholarship and Excellence in Learning, Assessing and Teaching .................................. 140
Andrew Poh Sui Hoi; Pauline Goh Swee-Choo

Pay for Competence in Higher Education Institution: A Study on Competency Base Pay of Lecturer in HE for the Knowledge Society

Dyah Kusumastuti

New Concepts for Higher-Education Institutions in the Europe of Knowledge ................................ 154
H.G.Büttnner

Initial Experience in Implementation of Open Entry and Recognition of
Prior Learning in OU Malaysia .................................................................................................... 161
Harvinder Kaur Dharam Singh; Yousof Saat Md. Yasin

Thinking Returns to University Riding the Constructivist Steed .................................................... 169
John Arul Phillips

Professional Development Issues Facing Higher Education Management ......................................... 177
Joydeep Sil

The Future Value of Collaborative Online Learning (COL) for ODL ............................................. 184
Karl Wagner; Jaspal Kaur

Human Capacity Building through the Recognition of Prior Learning:
Implications for Higher Education ................................................................................................ 192
Kuldeep Kaur; Nirwan Idrus

Academic Counseling as a Pro-Active Retention Initiative at
Open University Malaysia (OUM) .............................................................................................. 198
Latifah Abdol Latif; Ramli Bahroom; Mohd Jamaludin Mohamad
THE 6th SEAAIR ANNUAL CONFERENCE; Langkawi, September 5 – 7 2006

Developing an Industry-Effective Qualification through a Win-Win Industry-University Collaboration – The Nestle/Oum Executive Diploma in Manufacturing Management

Lim Soon Thye

Self-Directed Learning in a Higher Education Environment: Do Pre-University Education and Learning Styles Play a Role?

Mala Maung; Azman Abdullah; Zoraini Wati Abas

Financial Knowledge in Thai Higher Education

Malinee Ronapat

Social Capital and Entrepreneurial Orientation in Academic Context

Mohammad Mehdi Salaran; Shahid Yamin

Mentorship to Support the Needs of New Faculty Members

Sri Devi Ravana; Sudharshan N. Raman; P. Rajesh Kumar

Ranking Higher Education Institutions in Developing Countries: A Feasibility Study from Sri Lanka

Sujata N. Gamage

Integrating Knowledge at Workplace via Continuous Learning

T. Harikrishnan

Research-Based Learning (RBL) in Fundamental Physics Laboratory: Open-Ended Experiment of Resonance of R-L-C Series in Alternating Current (AC) Circuit

W. Sutrisno; S. Satira; P. Arifin

SUB-THEME: QUALITY AND CONTINUOUS IMPROVEMENT IN HIGHER EDUCATION

Development of Continuing Professional Education Model with E-Learning to Enhance the Nursing Professional Standard

Amaraporn Meeparn

Improving the Quality of Print Modules – A Continuous Process

Halimatolhanin Mohd Khalid; Zoraini Wati Abas; Mazlan Zulkifly

A Development of Indicators for Educational Thesis Quality Assessment

Jaruwan Ployduangrat; Pairoj Klinkularb; Tussana Sawang Suk

The Tutor as an Agent of Change

Dr Frank Kiong

Quality Assurance in ODL

Nirwan Idrus

The Quality and Marketability Value of Local Graduates: Perspectives from the Malaysian Employers

Norizan Abdul Razak, Hazita Azman, Mohd Sallehuddin Abd. Aziz, Wong Fook Fel, Azizah Yaacob

Leading Change through Academic Staff Professional Development Programme - A Collaborative Approach

Pauline Goh Swee-Choo; Poh Sui Hoi, Andrew

Assessing the Impact of Subject Matter on Learners’ Value System: A Case of Teaching a First Year Undergraduate Course in Global Business Context

R. Ratneswary V. Rasiah

vi
Recent Developments in the Accreditation of Engineering Programmes in Malaysia:
The Washington Accord and Outcome-Based Education ............................................. 313
Sudharshan N. Raman; Mohamad Rom Tamjis

A Framework for Assessing and Ranking the Quality of University Faculty .................. 320
Sujata N. Gamage

Quality Improvement in Higher Education Through QMS ISO 9001: 2000 ..................... 327
Tanti Irawati Muchlis

The Effort of Improving The Quality of University Graduates Using Balance Score Cards:
A Conceptual Analysis ....................................................................................... 334
Tatik Suryani; Djuwari

Adapting A Market Orientation Scale for Quality Service in Higher Education .............. 343
Voon Boo Ho; Nagarajah Lee
Teay Shawyun

SUB-THEME: CASE STUDIES AND SUCCESS STORIES

Development of Web-Based Remote Access Higher Level Physics Experiments .............. 351
A. A. Iskandar; Suprijadi; W. Sutrisno; J. V. Sulungbudi; Lusi; Lionov; L. A. Gunawan

A Development and Validation of the Structural Equation Multilevel Model of Team Effectiveness ............................................................................. 359
Apiradee Prasartsub; Suchada Bowarnkitiwong

Emphirical Study on Moral Education of Pre-School Children Through Electronic Games 364
Attieh Mohebali; Hanajizan Hussain

Improving Assessment and Feedback Reliability in Student Projects Through the Use of Experiential Learning and Benchmarking Practices ......................... 370
Ian Charleson; Ray Graham; Margaret Woodward

The Physical and Psychosocial Aspects of Ergonomically-Designed IT Learning Environment: A Case-Study of Universiti Sains Malaysia ................................. 374
Irfan Naufal Umar; Merza Abbas; Nor Azilah Ngah; Wan Mohd. Fauly; Zarina Samsudin

The Life Satisfaction of University Administrative Staff: A Case Study on UiTM Penang .. 383
Ju Soon Yew @ Yew Soon Yu; Kong Lai Kuan; Zaliha Hj. Hussin; Mohd Salleh Hj. Din

Networking Strategies for Higher Education A Future Requirment in 21st Century ........ 391
Jyoti Sthapak; Rakesh Mohan Sharaff; Manish Sthapak

Transition to the English Language: Student Perceptions in a Malaysian University ...... 399
Naginder Kaur; Raj Sharma

Soft Skills in Higher Education: The Unimas Medical Model ...................................... 408
Ong Puay Hoon

Self-Directed Learning (SDL) in Undergraduate Physiology Curriculum in An Indian Medical School ................................................................. 415
Reem Rachel Abraham; Subramanya Upadhya; K Ramnarayan
Personality Pattern Among High Achievers Based on the Myers Briggs Type Indicator (MBTI)
Riow Sumarni Shariffudin; Lee Ming Foong; Hasuzila Hasan

Staff Survey of the Cultural Attributes of the Student Affairs Division
Sarah Davies; Sandra O'Connor; Raj Sharma

Impact of Multiple True-False Questions on Student Performance in Written Examinations
Sharmila Torke; Asha K; K.Ramnarayan; Reem Rachel Abraham; Subramanya Upadhya

Online Forum in ELT Training Program: Constraints or Problems?
Supyan Hussin

Measuring Workplace Learning Results – Using the Kirkpatrick Model
T. Harikrishnan

Thai Graduates' Values Revisited in 2005: A Case Study of Assumption University
Teay Shawyun; Krisda Tanchaisak

Student Satisfaction and Loyalty in Higher Education: A Critical Incident Analysis
Voon Boo Ho; Nagarajah Lee; Patricia M. Jussem

SUB-THEME: INSTITUTIONAL RESEARCH
Japan's Tertiary Education System: Developments in The Koizumi Era of Reform
Charles Jannuzi; Fawaz Annaz

Advancing Student Roles in Research: The Immersion in Scientific Culture and the Importance of Soft Skills
F. Haryanto; A. Waris; A. A. Iskandar; P. Arifin; S. Bijaksana; Suprijadi; W. Sutrisno

Face-to-Face and Online Discussions in Language Classroom: Evaluating Critical Thinking of L2 Students
Fatehah Mohamad

Reconceptualising the Instructional Design Model for the Knowledge Society
Jay Somasundaram; Don Bowser; P. A. Danaher

Gate-Keeping into the Knowledge Society: Have We Got It Right?
Jay Somasundaram; Don Bowser; P. A. Danaher

Strategies Towards the World Class Universities of Thai Higher Education Institutions
Kampechara Puriparinya

The Academic Staff's Job and Life Satisfaction: A Case Study on UiTM Perlis
Kong Lai Kuan; Ju Soon Yew @ Yew Soon Yu; Maziah Onn; Mohd Saleh Hj. Din

Developing and Validating an Instrument to Assess The E-Learning Environment at USM
Nagarajah Lee; Rozinah Jamaluddin

Professional Teacher Production Strategies of Rajabhat Universities
Narong Ouinong

Teaching Performance: Public Accountability and Government Influence in the Australian Higher Education System
Peter Ling
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Role of Moral Education in Eliminating The Practice of The Accounting Fraud</td>
<td>541</td>
</tr>
<tr>
<td>R. Witopo; D Juwari</td>
<td></td>
</tr>
<tr>
<td>Enhancing Employability: Preparing University Students for the Working World</td>
<td>548</td>
</tr>
<tr>
<td>Ruzy Suliza Hashim; Norizan Abdul Razak</td>
<td></td>
</tr>
<tr>
<td>Measuring the Impact of Secondary School Conditions on Academic Preparation and Retention of First-Year University Students</td>
<td>556</td>
</tr>
<tr>
<td>Serge Herzog</td>
<td></td>
</tr>
<tr>
<td>Predicting Enrollment Retention and Degree Completion Time of First-Year University Students</td>
<td>566</td>
</tr>
<tr>
<td>Institutional Research and the Challenge of Expanding Analytical Tools</td>
<td></td>
</tr>
<tr>
<td>Serge Herzog</td>
<td></td>
</tr>
<tr>
<td>Development of a Pre-Internship Workshop Model for Music Student Teachers at Rajabhat Universities</td>
<td>576</td>
</tr>
<tr>
<td>Silapachai Kongtalin</td>
<td></td>
</tr>
<tr>
<td>The Political Model of University Governance: A Step to Shared Governance in Malaysian Public Universities</td>
<td>584</td>
</tr>
<tr>
<td>Soaib Asimiran; Sufian Hussin</td>
<td></td>
</tr>
<tr>
<td>Developing a Research Culture in The Class Room</td>
<td>593</td>
</tr>
<tr>
<td>Suprijadi; Zaki Su‘ud; P. Arifin</td>
<td></td>
</tr>
<tr>
<td>Teaching Competency and Effectiveness Index: A Pilot Study of Graduate Instructors</td>
<td>598</td>
</tr>
<tr>
<td>Teay Shawyun</td>
<td></td>
</tr>
</tbody>
</table>