

Conference Program



World Scientific and Engineering Academy and Society



Singapore City, Singapore
May 11-13, 2012

Important Notes:

- (1) You may register at any time during the conference.
- (2) The Invoice of payment can be collected at the registration desk at any time.
- (3) The Certificate of Participation can be collected at the registration desk only after your presentation.
- (4) Session chairmen can ask for a special Certificate at the registration desk after the session
- (5) The duration of a presentation slot is 20 minutes for a regular paper and 45 minutes for a plenary speech, including questions.
- (6) All authors should give their biographies to the chairmen before the beginning of the session.
- (7) Authors can upload their presentations to the available computers 10 minutes before the beginning of their session.
- (6) Authors should have their ticket(s) with them at the banquet. Extra banquet tickets can be purchased at the registration desk.

**11th WSEAS International Conference on SYSTEM SCIENCE and
SIMULATION in ENGINEERING (ICOSSE '12)**

**12th WSEAS International Conference on APPLIED COMPUTER
SCIENCE (ACS '12)**

**11th WSEAS International Conference on EDUCATION and
EDUCATIONAL TECHNOLOGY (EDU '12)**

**11th WSEAS International Conference on COMPUTATIONAL
INTELLIGENCE, MAN-MACHINE SYSTEMS and CYBERNETICS
(CIMMACS '12)**

**1st International Conference on Computing, Information Systems
and Communications (CISCO '12)**

**1st International Conference on Systems, Control, Power,
Robotics (SCOPORO '12)**

**1st International Conference on Digital Services, Internet and
Applications (DSIA '12)**

**1st International Conference on Integrated Systems and
Management for Energy, Development, Environment and Health
(ISMAEDEH '12)**

**Singapore City, Singapore
May 11-13, 2012**

The WSEAS staff welcome you to another prestigious event.

Since 1996, the World Scientific and Engineering Academy and Society has proudly organized a vast number of successful conferences and published the work of hundreds of scientists from all over the world. We and our affiliates would like to express our sincere gratitude to you for helping us continue our mission by honoring us with your presence in this conference.

WSEAS publications have succeeded in joining most important International Scientific Indexes and Libraries. Thanks to our latest efforts of adopting strict deadlines and a more rigorous review process, the quality of our proceedings and journals is continuing to rise exponentially.

We trust that you will enjoy discussing the latest scientific developments with your peers during these three days, and that you will find your stay as pleasant as possible.

The WSEAS Team

Friday May 11th 2012

Registration: 08:00-09:00

Conference Room A:

Time: 09:00-09:45

Plenary Lecture 1:



Multi-Input Control Systems in Biomedical Applications
by Prof. Urszula Ledzewicz, Southern Illinois University, USA.

Conference Room B:

Time: 09:00-09:45

Plenary Lecture 2:



Active Knowledge for the Control of Product Definition
by Prof. Laszlo Horvath, Obuda University, HUNGARY.

Conference Room C:

Time: 09:00-09:45

Plenary Lecture 3:



Research of Efficiency of Use of Multimedia in the Technical Education – For the Purpose of Long Lasting Knowledge
by Prof. Jozica Bezjak, University of Primorska PEF, SLOVENIA.

Friday May 11th 2012

Conference Room A:

Time: 09:45-10:30

Plenary Lecture 4:



The Geometric Effect on the Evolution of a Long Bubble in a Circular Tube

by Prof. Kuang-Yuan Kung, Nanya Institute of Technology, TAIWAN R.O.C.

Conference Room B:

Time: 09:45-10:30

Plenary Lecture 5:



Computer Aided Diagnosis System for Early Detection of Breast Cancer

by Prof. G. R. Sinha, Shri Shankaracharya Group of Institutions, INDIA.

Conference Room C:

Time: 09:45-10:30

Plenary Lecture 6:



Evaluating the Quality of Teaching within an ICT-Rich Environment

by Prof. Hung-Jen Yang, National Kaohsiung Normal University, TAIWAN, R.O.C.

Coffee Break: 10:30-11:00

Friday May 11th 2012

Conference Room A:

Time: 11:00-13:30

ACS Session: Data Mining and Computational Techniques

Chair: Anon Sukstrienwong, Boriboon Novaprteep

Buyer Coalition Formation by Using Two Ant Colony Optimizations	Anon Sukstrienwong	6862-001
The Application of Hide on Learning Problem with Data Error Measured with Square Loss and Different Error Tolerance	Boriboon Novaprteep, Kannika Khompungson, Duangkamol Poltem	6862-010
An Expansion Methods for Multivariate Fredholm Integral Equations	Boriboon Novaprteep, Khomsan Neamprem, Hideaki Kaneko	6862-046
A Function Approximation in the Learning Value of a Function from Inaccurate Data	D. Poltem, K. Khompungson, B. Novaprteep	6862-004
Data Mining of Dengue Infection Using Decision Tree	Daranee Thitiprayoonwongse, Prapat Suriyaphol, Nuanwan Soonthornphisaj	6862-110
New Parallel Explicit Group Domain Decomposition Solutions of the 2-Dimensional Burger's Equation	K. B. Tan, Norhashidah Hj. M. Ali	6862-078
OpenMP Technology in the Parallelization of New Hyperbolic Group Solvers	Kew Lee Ming, Norhashidah Hj. Mohd. Ali	6862-094
Numerical Solutions of High Temperature on Fuel Cell Cathode	S. Srimongkol, S. Rattanamongkonkul, D. Poltem	6862-118

Conference Room B:

Time: 11:00-13:30

EDU Session: E-Learning and Educational Software

Chair: Milan Tuba, Pei-Lin Hsu

Designing Special Instruction on Interactive Multimedia Object for Dyslexic Children	Fadilahwati Abdul Rahman, Fattawi Mokhtar, Ronaldi Saleh Umar, Roslinda Salim	6863-110
Communication in Online Courses under the Virtual Observation: Case Study	Ivana Simonova	6863-083
Does Perception of the Students Change towards Computer and Internet with the Implementations of E-Learning in Engineering Mathematics Courses	N. M. Tawil, N. A. Ismail, I. Asshaari, H. Bahaludin, A. Zaharim, R. A. O. K. Rahmat	6863-128
A Survey of Image Processing Tools Package in Medical Imaging	Nasrul Humaimi Mahmood, Ching Yee Yong, Kim Mey Chew, Ismail Ariffin	6863-023
Cultural Differences in E-Learning: Exploring New Dimensions	Nazia Hameed, Maqbool Uddin Shaikh, Fozia Hameed, Azra Shamim	6863-098
Facebook as a Teaching Enhancement Tool to Facilitate College Student Learning: A Case Study	Pei-Lin Hsu, Ying-Hung Yen	6863-014
The ICT-Supported Process of Forming Key Competencies Comparative Study	Petra Poulova, Ivana Simonova	6863-086
Potentiality of Designing and Developing Mobile a Comic Application as a Way of Learning for Dyslexic Children	Ronaldi Saleh Umar, Suhaila Khalip, Sharuddin Awang Kechil, Nor Aziah Alias	6863-107

Friday May 11th 2012

Conference Room C:

Time: 11:00-13:30

CISCO Session: Information Systems and Communications

Chair: Milan Tuba, Kyoung-Whoan Suh

Analysis of the Fractal Structures for the Information Encrypting Process	Ivo Motýl, Roman Jašek	6865-078
Multilevel Image Thresholding Selection Using the Modified Seeker Optimization Algorithm	Ivona Brajevic, Milan Tuba	6865-086
A Study on Interference Analysis based on Rec. ITU-R P.1546 with Geographic Information	K. W. Suh, J. S. Jang, J. H. Ahn, C. W. Lee, I. S. Shin, Y. C. Jeon	6865-030
Artificial Bee Colony (ABC) Algorithm Exploitation and Exploration Balance	Milan Tuba	6865-082
Parallelization of the Firefly Algorithm for Unconstrained Optimization Problems	Milos Subotic, Milan Tuba, Nadezda Stanarevic	6865-090
An Example of Multithreads Programming using Aspect Orientation Framework	Paniti Netinant	6865-010
Route Breakage Prediction Protocol for Bluetooth Network Recovery	Sabeen Tahir, Abas Md Said	6865-062
Parallel Agent Systems on a GPU for Use with Simulations and Games	Timothy Johnson, John Rankin	6865-038

Coffee Break: 13:30-14:00

Friday May 11th 2012

Conference Room A:

Time: 14:00-16:30

ACS Session: Latest Trends in Information Science

Chair: Hung-Jen Yang, Anon Sukstrienwong

Design a Web-based Course by Applying Prototyping Method	Jui-Chen Yu, Hsieh-Hua Yang, Wen-Chen Hu, Lung-Hsing Kuo, Li-Min Chen, Hung-Jen Yang	6862-098
A Case Study of Software Development for Memorandum Report System: MRS	Patravadee Vongsumedh, Anon Sukstrienwong	6862-002
A Case Study of Performance Improvement of Database System based on Distributed Processing	Sorapak Pukdesree	6862-042
The Design and Development of a CPU Scheduling Algorithm Simulator	Sukanya Suranauwarat	6862-130
Improving the Effectiveness of Learning Page Replacement Algorithms using an Interactive Animated Tool	Sukanya Suranauwarat	6862-134
ANN-based Groundwater Level Forecasting Employing SOM Clustering Approach	Vahid Nourani, Farnaz Daneshvar Vousoughi, Aida Hosseini Baghanam, Mohammad Taghi Alami	6862-066
Wavelet-based Feature Extraction of Rainfall-Runoff Process via Self-Organizing Map	Vahid Nourani, Masoumeh Parhizkar, Tohid Rezapour Khanghah, Aida Hosseini Baghanam, Elnaz Sharghi	6862-062

Conference Room B:

Time: 14:00-16:30

ICOSSE Session: Systems Science, Simulation and Modelling

Chair: Urszula Ledzewicz, Wariam Chuayjan

Programming ABB Industrial Robot for an Accurate Handwriting	Abigo Izabo, Tarig Faisal Mahmud Iwan, H. M. A. A. Al-Assadi, Hanif Ramli	6861-101
Numerical Simulation of Blood Flow in the System of Human Coronary Arteries with and without Bypass Graft	Buraskorn Nuntadilok, Benchawan Wiwatanapataphee, Meechoke Chuedoung, Thanongchai Siriapisith	6861-046
Symbolic Analysis of Maximizing Efficiency of Photovoltaic Power Generation Circuits	Eko Setiawan, Ichijo Hodaka, Yuta Yamamoto	6861-061
Numerical Simulation of Two-phase Laminar Flow for CO ₂ and Microalgae Suspension in the HLTP	Ujjwal Kumar Deb, Kittisak Chayantrakom, Yongwimon Lenbury, Benchawan Wiwatanapataphee	6861-066
Optimal Control of Multi-input Systems for Cancer Chemotherapy	Urszula Ledzewicz, Heinz Schattler, Siamak Mahmoudian Dehkordi, Mostafa Reisi	6861-011
Effect of the Silo-Bottom Design on the Granular Behaviour during Discharging Process	Wariam Chuayjan, Pichit Boonkrong, Benchawan Wiwatanapataphee	6861-081
System Identification Approach to Diagnostics for Switching Circuits	Yuta Yamamoto, Ichijo Hodaka, Eko Setiawan	6861-076

Friday May 11th 2012

Conference Room C:

Time: 14:00-16:00

EDU Session: Advances in Modern Education

Chair: Nittaya Kerdprasop, Jiri Subrt

Classification Model Induction for Student Recruiting	Ekkachai Naenudorn, Jatsada Singthongchai, Nittaya Kerdprasop, Kittisak Kerdprasop	6863-104
New Media and the Educational Process: The Problem of Time and Memory	Jiri Subrt, Alena Valisova	6863-095
Evaluation of On-Job Training in a Ward: Nurses' Job Satisfaction and Professional Commitment	Li-Se Yang, Ya-Wen Chou, Pei-Lin Hsu, Hsieh-Hua Yang	6863-038
The Complementarity of Spaces and Disparity in Advertising Formats	Maria Celsa Rebelo Gilalves, Luís Miguel De Barros Moreira Pinto	6863-004
Advanced Tools for Acquirement of Competencies by Crisis and Security Managers	Tomáš Loveček, Vladimír T. Míka, Jozef Ristvej	6863-035
Exploration on the Relationship between Chinese Characters and Ergonomic Affordances	Wei-Han Chen, Yu-Ju Lin, Li-Min Chen, Hung-Jen Yang	6863-116

Saturday May 12th 2012

Conference Room A:

Time: 09:00-09:45

Plenary Lecture 7:



Numerical Method in Optimization as a Multi-stage Decision Control System

by Prof. B. S. Goh, University of Malaya, MALAYSIA.

Conference Room B:

Time: 09:00-09:45

Plenary Lecture 8:



Engineering complex information systems for monitoring health and the environment

by Prof. Giovanni De Micheli, EPF Lausanne, SWITZERLAND.

Conference Room A:

Time: 09:45-10:30

Plenary Lecture 9:



Conjugation of Artificial Neural Network and Geostatistics Approaches for Groundwater Modeling

by Assoc. Prof. Vahid Nourani, University of Tabriz, IRAN.

Saturday May 12th 2012

Conference Room B:

Time: 09:45-10:30

Plenary Lecture 10:



Radical Change in Education Caused by Technology
by Prof. C. Sidney Burrus, Rice University, USA

Conference Room C:

Time: 09:45-10:30

Plenary Lecture 11:



Artificial Bee Colony (ABC) Algorithm Exploitation and Exploration Balance
by Prof. Milan Tuba, University Megatrend Belgrade, SERBIA.

Coffee Break: 10:30-11:00

Conference Room A:

Time: 11:00-13:00

CIMMACS Session: Computational Intelligence

Chair: Jiann-Horng Lin, Nittaya Kerdprasop

Effects of Information Sharing on Vender Managed Inventory Operations with Varying Replenishing Strategies	Chao-Hua Chen, C.-L. Chiang	6864-056
Fast and Robust Video Copy Detection Schemes Based On Video Signature	Cherry Aly, M. Waleed Fakhr	6864-011
Emotional Chaotic Cuckoo Search for the Reconstruction of Chaotic Dynamics	Jiann-Horng Lin, I-Ho Lee	6864-021
Association Rule Discovery with Constraint Logic Programming	Phaichayon Kongchai, Nittaya Kerdprasop, Kittisak Kerdprasop	6864-031
Product Recommendation System by Approximate Search Based on Manhattan Distance Measurement	Vasupon Phueaknumpol, Zagon Budsabong, Kittisak Kerdprasop, Nittaya Kerdprasop	6864-046
Speedup K-means Using Rotation Based Transformation	Vitavat Vitayakailert, Nittata Kerdprasop, Kittisak Kerdprasop	6864-051

Saturday May 12th 2012

Conference Room B:

Time: 11:00-13:00

SCORPORO Session: Circuits, Systems and Automatic Control

Chair: Chi-Jwu Wu, Musa Mailah Mailah

Simulation of Branching Hydrogen Bonding Network in Cadence	Elitsa Emilova Gieva, Rostislav Pavlov Rusev, George Vasilev Angelov, Tihomir Borisov Takov, Marin Hristov Hristov	6866-007
An Effective Detection Method of Serial Arc Fault on Low Voltage Power Circuits	Shu-Chen Wanga, Chi-Jui Wuband, Yi-Jie Wangc	6866-013
Harmonic Analysis and Mitigation of a Power System with Specially Connected Transformers	Chi-Jui Wu, Yao-Hung Chan	6866-016
Tracking Performance of a 3D Articulated Mobile Manipulator Using Active Force Control	Shariman Abdullah, M. Mailah, Tang Howe Hing	6866-019
Piezoelectric Actuated In-pipe Microrobot with P-type Iterative Learning Active Force Control	Yaser Sabzehmeidani, M. Mailah, Mohamed Hussein	6866-022
Path Navigation for Mobile Robot in a Road Roundabout Setting	Mohammed A. H. Ali, M. Mailah, Tang Howe Hing	6866-025
Identification and Control of a Piezoelectric Patch Actuator	Mohd Nazmin Maslan, M. Mailah, I. Z. M. Darus	6866-028
Intelligent Active Force Controller for an Anti-lock Brake System Application	Mohammed H. Al-Mola, M. Mailah, A. H. Muhaimin, M. Y. Abdullah	6866-031

Conference Room C:

Time: 11:00-13:00

CISCO & DSIA Session: Web Applications and Cloud Computing

Chair: Choi Euiin, Hung-Jen Yang

Identification of Performance Issues in Contemporary Black-Box Web Application Scanners in SQLI	Ha Thanh Le, Peter Kok Keong Loh	6865-018
Multimodal Interface for Mobile Cloud Computing	Hoon Jeong, Sungjin Kim, Hana Do, Euiin Choi, Yejin Jeong, Yongho Kang	6865-098
Integrating Cloud Computing into Senior High-School Learning	Ming-Cheng Wang, Ying-Ju Chen, Lung-Hsing Kuo, Hung-Jen Yang, Hsieh-Hua Yang	6865-054
Mobile Cloud Computing: A Review on Smartphone Augmentation Approaches	Saeid Abolfazli, Zohreh Sanaei, Abdullah Gani	6865-006
Tripod of Requirements in Horizontal Heterogeneous Mobile Cloud Computing	Zohreh Sanaei, Saeid Abolfazli, Abdullah Gani, Rashid Hafeez Khokhar	6865-022
Computer Application Anxiety, Self-Efficacy and Open Source Learning Management System Acceptance	Norshidah Mohamed, Nor Shahriza Abdul Karim	6867-011

Coffee Break: 13:00-13:30

Saturday May 12th 2012

Conference Room A:

Time: 13:30-15:30

CIMMACS Session: Clustering and Classification Models

Chair: Nittaya Kerdprasop, Mohamad Alhajri

Neural Network Modeling for Fiberboard Properties Prediction	Faridah Sh. Ismail, Nordin Abu Bakar	6864-006
Classification Model Induction Based on User Preferences	Fonthip Koongaew, Nittaya Kerdprasop, Kittisak Kerdprasop	6864-036
Comparison of Feature Selection and Classification Algorithms for Restaurant Dataset Classification	Komkid Chatcharaporn, Narodom Kittidachanupap, Kittisak Kerdprasop, Nittaya Kerdprasop	6864-026
Enhanced Generalized Reduced Gradient Method for Optimal Embedded Generation Planning	M. F. Alhajri, M. R. Alrashidi, T. S. Almoneef	6864-016
A Multi-threading in Prolog to Implement K-means Clustering	Surasith Taokok, Prach Pongpanich, Nittaya Kerdprasop, Kittisak Kerdprasop	6864-041

Conference Room B:

Time: 13:30-16:00

ISMAEDEH Session: Integrated Systems and Management

Chair: Asep Supriatna, Pramila Goyal

Dengue Transmission Model with Age-Dependent Survival Rates in the Presence of Wolbachia Infection	Asep K. Supriatna	6868-009
Air Quality Forecasting through Integrated Model Using Air Dispersion Model and Neural Network	P. Goyal, Anikender Kumar	6868-013
Indoor Climate in Mechanically Ventilated School Building	Merje Rebane, Taivo Tuulik, Teet-Andrus Kõiv	6868-017
Influence of Lean, Resilient and Green Practices on Supply Chain Sustainability	Susana G. Azevedo, V. Cruz-Machado	6868-021
Standardization and Production of Sustainable Housing	Hafida Boulekbache Mazouz	6868-025
An Investigation Of Portable Green Inner Wall For Self Build Remodelled House	N. M. Tawil, A. R. Musa, N. A. G. Abdullah, A. I. Che Ani, H. Basri, R. A. O. K. Rahmat	6868-029
Measuring Sustainable Development, Some Empirical Evidence from Australia Sustainable Indicators	Mahsa Faramarzi Asli, Seyed Majid Mofidi Shemirani	672-114


Conference Banquet: 19:00

Sunday May 13th 2012

Conference Room A:

Time: 09:15-10:00

Plenary Lecture 12:

	<p>Learning Management and Web Mining by Prof. Imre J. Rudas and Prof. Peter Toth, Obuda University, HUNGARY.</p>
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Conference Room A:

Time: 10:00-12:00

ICOSSE Session: Numerical Methods and Algorithms

Chair: B. S. Goh, Hayder Al-Assadi

Numerical Method in Optimization as a Multi-stage Decision Control System	B. S. Goh	6861-006
A New Neural - Active Force Control Architecture in High Precision SCARA System	Hanif Ramli, Azmi Patar, H. M. A. A. Al-Assadi, M. A. Ayub	6861-106
Web Mining Usage and Quality Assurance	Imre J. Rudas, Peter Toth	6861-111
Risk and Uncertainties of Physiological Processes Handled by the Fuzzy Implementation	Imre Rudas, Márta Takács, Edit Tóth Laufer	6861-016
Finite Element Method Analysis of an Electric Field in Wire-Cylinder Electrode Configuration during Corona Discharge	K. Kantouna, L. Ekonomou, G. P. Fotis, G. E. Chatzarakis	6861-126
Performance Improvement on Local Polynomial Periodogram	Shan Luo, Guoan Bi	6861-071
Coexistence for a Stage-Structured Predator Sharing a Prey	Suwicha Boonrangsiman, Kornkanok Bunwong	6861-086

Sunday May 13th 2012

Conference Room B:

Time: 10:00-12:00

ACS Session: Information Science and Applications

Chair: Dimitrios Xanthidis, Chontita Rattanakul

A Mathematical Model of Bone Remodeling Process: Effects of Vitamin D and Time Delay	Chontita Rattanakul	6862-026
Digital Consumers' Attitudes towards Internet Piracy. Part II: From the Digital Consumers' Perspective	Dimitrios Xanthidis, Eisa Abdullah Aleisa	6862-150
Digital Consumers' Attitudes Towards Internet Piracy. Part I: Review of the Arguments	Dimitrios Xanthidis, Eisa Aleisa	6862-146
The Distribution of Medical Facilities Available for Chronic Disease Patients through GIS Visualization Case Study: Central Macedonia, Northern Greece	Paul Nikolaidis, Dimitrios Xanthidis	6862-142
Mathematical Modeling for Stress Distribution Comparing Static and Dynamic Loads in Total Hip Arthroplasty	S. Srimongkol, S. Rattanamongkonkul, D. Poltem	6862-014
A Delay-Differential Equations Model of Bone Formation and Resorption: Effect of Calcitonin	Wannapa Panitsupakamon, Chontita Rattanakul	6862-022

Coffee Break: 12:00-12:30

Sunday May 13th 2012

Conference Room A:

Time: 12:30-15:30

ACS Session: Software Engineering

Chair: László Horváth, Hung-Jen Yang

The Sum of Earliness and Tardiness Minimization on Unrelated Parallel Machines with Inserted Idle Time	Chi-Yang Tsai, Yi-Chen Wang	6862-082
Adaptive Control of Approximately Modeled Freeway Traffic by Robust Fixed Point Transformations	József K. Tar, László Horváth, Imre J. Rudas, Teréz A. Várkonyi	6862-038
New Method of Knowledge Representation and Communication for Product Object Modeling	László Horváth, Imre J. Rudas	6862-034
Applying Digitizing Technique on the Historical Reflection of the POP Album Cover from 1970 to 2000 in Taiwan	Li-Min Chen, Lung-Hsing Kuo, Hung-Jen Yang	6862-074
Adding Assertion of System Composition for An Aspect-Oriented Approach	Paniti Netinant	6862-018
SEIQR-Network Model with Community Structure	S. Orankitjaroen, W. Jumpen, P. Boonkrong, B. Wiwatanapataphee, Y. H. Wu	6862-058
Representation of Variables of Confined Turbulent Flow in a Region Close to the Wall	Sabah Tamimi	6862-030
An Extended K-Means++ with Mixed Attributes	Sarunya Kanjanawattana	6862-086
Application of Information Content to Extract Wavelet-based Feature of Rainfall-Runoff Process	Tohid Rezapour Khanghah, Vahid Nourani, Masoumeh Parhizkar, Elnaz Sharghi	6862-106
Finding Consensus Clusters from Users' Preference Lists	Yen-Liang Chen, Wa-Wun Chen	6862-005

Sunday May 13th 2012

Conference Room B:

Time: 12:30-15:30

EDU Session: Novel Ideas in Contemporary Higher Education

Chair: Alena Valisova, Luís Miguel Moreira Pinto

Management and Leadership at the Universities in the Czech Republic	Alena Vališová, Jiří Šubrt	6863-092
Project-based Teaching, Practice in the Academic Environment	Eva Sventekova, Tomas Lovecek	6863-044
A Case Study on Balloon Volleyball Research of Emotional Affection in Different Group of the Universities	Guanghai Wei, Chengke Wang	6863-122
Teaching Architecture Relationship Between Art and Technology (As a Tool)	Luís Miguel De Barros Moreira Pinto, Claudia Sofia São Marcos Miranda Beato, Paulo Eduardo Maia De Carvalho, Ana Maria Tavares Ferreira Martins, Ana Fidalgo	6863-002
A Model of Evaluating Integrating Emerging Technology into Formal Technology Curriculum	Lung-Hsing Kuo, Huei-Mei Wei, Lin Hsueh-Chih, Miao-Kuei Ho, Hung-Jen Yang	6863-032
Identify Contents of Evaluating the Curriculum Development of Integrating Emerging Technology	Lung-Hsing Kuo, Hung-Jen Yang, Li-Ming Chen, Ming-Cheng Wang, Ying-Ju Chen	6863-029
Program Correctness, Code Assessment, and Fairness in Assessment: Viewed from the Lens of Novice Programmers	Rex P. Bringula, Arne R. Bana, Geecee Maybelline A. Manabat, Miguel Angelo A. Tolentino, Edmon L. Torres	6863-008
Measuring Students' Achievement in Fundamental Course of Civil and Structural Engineering Degree Programme	S. A. Osman, A. Mutalib, W. H. W. Badaruzzaman, M. A. Khoiry, R. A. O. K. Rahmat	6863-131
A New Approach to the Preparation of Engineers of Building Energy Efficiency	Teet-Andrus Koiv, Everyn Kallemets, Villu Vares, Merje Rebane	6863-125
Factor Analysis with Data Mining Technique in Higher Educational Student Drop Out	Wilairat Yathongchai, Chusak Yathongchai, Kittisak Kerdprasop, Nittaya Kerdprasop	6863-101

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