

WSEAS Transactions on Advances in Engineering Education

Contents: 2010

Print ISSN: 1790-1979

E-ISSN: 2224-3410

Acceptance Rate (for the years 2013 and 2014): 42.62%

Acceptance Rate = C/D where: C = the number of accepted papers, D= the number of submitted papers. Withdrawn Papers are not considered for the numbers C and D.

Editorial Board:

Editor-in-Chief

Professor Philippe Dondon

ENSEIRB-MATMECA, École Nationale Supérieure d'Électronique

Informatique et Radiocommunications de Bordeaux

1 avenue du Dr Albert Schweitzer, B.P. 99 33402

Talence, Cedex

France

E-mail: Philippe.Dondon@enseirb-matmeca.fr

Associate Editors:

Prof. Giovanni Fulantelli, National Research Council of Italy, Institute for Educational Technologies Palermo, Italy

Prof. Cathy H. Qi, University of New Mexico, Albuquerque, NM, USA

Prof. Sara De Freitas, Coventry University, UK

Prof. Toshio Okamoto, The University of Electro-Communications, UEC & KCG, Japan

Prof. Xiang Bai, Huazhong University of Science and Technology, China

Prof. Konstantinos G. Arvanitis, Agricultural University of Athens, Athens, Greece

Prof. Cornelia Aida Bulucea, University of Craiova, Craiova, Romania

Prof. Alexander Gegov, University of Portsmouth, UK

Prof. Dimos Triantis, Technological Educational Institute of Athens, Greece

Prof. Imre Rudas, Obuda University, Hungary

Topics

Basic Science in Engineering Education Continuing Education & Its Delivery Engineering Education Reforms International Recognition of Qualifications Studies in Engineering and the needs of the Production and Market New Technologies in Education Industry and Education Collaboration Research and Education Globalisation in engineering education. Challenges and problems Management of engineering education. Know-how in engineering education Environment and engineering education Mobility of Scholars European Integration and Engineering Education Computers, Internet, Multimedia in Engineering Education National Technical Chambers and National Societies in Engineering Education International Organizations and Engineering Education New Changes and Challenges in Engineering Education New Changes and Challenges in Teaching in Technical Universities Organization of Laboratories Private Education and State Education Management of Educational Institutes Relations between teachers and students Minorities in Education Foreign Students' problems in Educational Institutes What is the role of retired professors and emeritus professors in Education? Methodologies in examinations and relevant problems Examinations and Tests via Internet Professors' Elections and promotions in the Universities Awards and Education Psychological Aspects Athletics and Social Activities in Higher Education Research and development in Engineering Education Resources and Funds in Engineering Education Technical design of didactical tools Sustainable development education

Articles:

[A Low Complexity MIMO Channel Estimation Design and FPGA Implementation Using Orthogonal Matrix Triangularization](#)

Authors: Mohammad Tariqul Islam, Mostafa Wasiuddin Numan, Norbahiah Misran, Mohd. Alauddin Mohd. Ali, M. B. I. Reaz, J. S. Mandeep

[Correlation and Frequency of Use of the NetspeAK ELEMENTs in Asynchronous Discussion within the Same Generation of Students in the 1st and in the 7th Semester](#)

Authors: Karmela Aleksic-Maslac, Jagoda Poropat Darrer, Tihana Djuras

[The Influence of the Wind Shears and Sensor Errors upon Aircrafts Landing Process](#)

Authors: Mihai Lungu

[Teaching Strategy for Algorithmic Problem-Solving](#)

Authors: Soojin Jun, Seungbum Kim, Wongyu Lee

[University Autonomy - the Current Trend in Educational Reform. The Romanian Higher Education System in Line with the Bologna Agreement](#)

Authors: Brandusa Prepelita-Raileanu

[Modern Teaching Instruments for the Establishment of the Thermodynamic Values of Real Gases in the Training of Engineer Students](#)

Authors: Sorin Neacsu, Silvian Suditu, Catalin Popescu

[New Skills for New Jobs. Lifelong Learning Initiatives in the Romanian Higher Education](#)

Authors: Brandusa Prepelita-Raileanu

[An Example of ADDIE Application on Industry Demand-Driven ELearning Curriculums](#)

Authors: Kai-Wen Cheng

[The Development of Engineering Education in Haryana](#)

Authors: Vijay Nehra, Sandeep Dahiya, Kiran Nehra

[Spanish Universities Shaping to European Higher Education Area \(EHEA\) by Means New Teaching Methodologies. A Case Study](#)

Authors: M. Martinez-Gomez, M. Mari-Benlloch

[Redefining Critique Session as an Assessment Tool In Architecture Design Studio Class](#)

Authors: Badiossadat Hassanpour, Nangkula Utaberta, Azami Zaharim

[An Intercultural Perspective on Technological Education](#)

Authors: Stan Panturu, Cornelia Cocan

[The Students' Mentality from the Petroleum-Gas University – Faculty of Mechanical Engineering and Electronics Regarding the Status and the Importance of Physical Activities in the Education for a Healthy Life](#)

Authors: Lupu Elena, Suditu Mihaela, Safta Cristina

[Enhancing Calculus Learning Engineering Students Through Problem-Based Learning](#)

Authors: Mohd Zin Mokhtar, Rohani Ahmad Tarmizi, Ahmad Fauzi Mohd Ayub, Mohd Ariff Ahmad Tarmizi

[Use of Educational Technology in Engineering Education – A Computer Assisted Instruction \(Multimedia\) Package for Engineering Students](#)

Authors: Anjali Venkatesh Deshpande

[Preparing Advanced Matlab Users](#)

Authors: Michal Blaho, Martin Foltin, Peter Fodrek, Michal Poliacik

[University Stakeholder Management and University Social Responsibility](#)

Authors: Libena Tetreva, Veronika Sabolova

[Development of a Study Scale Model for Energy and Daylight Analysis](#)

Authors: Hendrik Voll, Kaarel Paasuke

[Equipment and Technology for Assessing the Safety Parameters by the Remote Control of the Mine Underground Atmosphere](#)

Authors: Valeriu Plesea, Sergiu Ghinia, Ioan Dumitrescu, Dragos Vasilescu, Artur Gaman, Stela Dinescu

[Advanced Prediction Procedure for the Underground Stress Manifested in the Undermined Coal Bed Works](#)

Authors: Valeriu Plesea, Gheorghe Manolea, Sergiu Ghinia, Radu Sorin, Daniela Stochiloiu, Gabriel Vasilescu, Doru Cioclea

[The Study of Electrical Resistance Measurement Methods using Virtual Instruments](#)

Authors: Valentin Dogaru Ulieru, Savu-Cristescu Maria, Draghicescu Luminita, Eugenia Dogaru Ulieru, Stancescu Ioana, Petrescu Ana-Maria

[ACTA Tools as an Integrated Teaching Assistant for the Design of Automatic Flight Control Systems](#)

Authors: Antonios S. Andreatos, Anastasios D. Zagorianos

[LabVIEW based Electrical Machines Laboratory for Engineering Education](#)

Authors: R. A. Jabbar Khan, A. Mohammed, M. Junaid, M. A. Masood, A. Iftkhar

[DigiLab: A Virtual Lab for IT Students](#)

Authors: Rosilah Hassan, Nazlia Omar, Haslina Arshad, Shahnorbanun Sahran, Norul Huda Yusof

[Information and Communication Technologies in the Process of Instruction: Students/Communication in On-line Courses](#)

Authors: Ivana Simonova, Petra Poulouva, Martin Bilek

[Robots as Learning Tools in a Vocational School](#)

Authors: Marzia Pisciotta, Bruno Vello, Claudio Bordo, Giovanna Morgavi

[Occupational Risk Assessment and Management: Challenges and Guidelines for the Romanian Organization's Practice](#)

Authors: Lucian-Ionel Cioca, Gabriel-Bujor Babut, Roland-Iosif Moraru

[Optimal Team Formation for Practical Software Development Exercise -Evaluating a Method for Team Formation Based on the Type of Project Manager-](#)

Authors: Kiyomi Shirakawa, Shiori Yamamoto, Ryota Chiba, Hiroaki Hashiura, Seiichi Komiya

[Managers, Teaching Professionals and the Crisis Impact upon the Education System in Romania – Values, Attitudes, Conduct](#)

Authors: Ioan Neacsu, Emil Stan, Catalin Popescu, Mihaela Suditu

[Advanced System for Risk Assessment of the Security Expressed in the Complex Labor System and Strategic Objectives of National Interest](#)

Authors: Gabriel–Dragos Vasilescu, Tiberiu–Atila Csaszar, Stela Dinescu, Valeriu Plesea

[Introducing Yoga Practice for Managing New Kind of Pressure in Scientific Engineering Schools](#)

Authors: Ph. Dondon, J. M. Duprat, C. Delesse

[The Computer in the Mathematics Teaching](#)

Authors: Ana Julia Viamonte

[How we Can Mark the Rhythm of the Daily Work by using a Learning Management System as Moodle?](#)

Authors: Angel Mora Bonilla, Maria Del Pilar Sarmiento Moreno, Enrique Merida Casermeiro

[Higher Education Decision Making and Decision Support Systems](#)

Authors: Vasile Paul Bresfelean, Nicolae Ghisoiu

[A Bluetooth-based Interactive System to Improve Relationships Between Actors in Educational Environments](#)

Authors: Fernando Ribeiro, Jose Metrolho, Monica Costa

[A Novel Continuous Function for Approximation to the Factorial](#)

Authors: Gianfranco Chicco

[Inovative Pedagogical Intervention Strategies and Social Software Technologies in an e-Learning Project Initiated by the University Politehnica of Bucharest \(Faculty of Applied Sciences\)](#)

Authors: Brandusa Prepelita-Raileanu

[New Horizons for e-Learning and Open Education. A Comparative Transfrontier Project at the University of Bucharest](#)

Authors: Brandusa Prepelita-Raileanu