Editor-in-Chief: Michael Wald

Volume 23  Number 4

Part I
Special Issue
Trends in Agricultural, Biosystems and Biological Engineering Education (III)
Guest Editors
Linus Opara
Sultan Qaboos University
Sultanate of Oman
Joel Cuello
University of Arizona

Part II
Contributions in: Manufacturing Engineering, Industrial Engineering, University-Industry Cooperation, Remote Laboratories, Transport Engineering, Electrical Engineering and Fluid Mechanics

Indexed/abstracted in: INSPEC Database
Science Citation Index/Current Contents

Contents inside
AIMS AND SCOPE
This journal serves as an international interdisciplinary forum and source of reference for engineering education. A balance between papers on developments in educational methods and technology, case studies, laboratory applications, new theoretical approaches, educational policy and survey papers is aimed for. Comprehensive coverage of new education schemes and techniques makes the journal a unique source of ideas for engineering educators who are keen to keep abreast with latest developments in educational applications in all fields of engineering. The journal will cover engineering education news and open debates on engineering education policy related topics of transnational interest.

Some of the areas covered more extensively in recent issues are: CAD, CAE, computer applications in teaching thermodynamics, materials science, electrical engineering, new courses and curricula, engineering management, control engineering, mechanical engineering, engineering design, student evaluation and institutional accreditation.

SPECIAL ISSUES ON TOPICS SUCH AS COMPUTER-AIDED ENGINEERING, ENGINEERING THERMODYNAMICS AND ENGINEERING DESIGN ARE PUBLISHED PERIODICALLY.

NOTES FOR CONTRIBUTORS
Papers for inclusion in the Journal should be submitted for refereeing to the Editor-in-Chief. The Editor-in-Chief should be informed by the authors of any submission made directly to a member of either Board.

The papers should include detailed information on relevance of the material to engineering education. Only papers not previously published will be accepted and, once accepted for the Journal, must not be published elsewhere.

Technical Notes, Letters-to-the-Editor and Book Reviews may also be submitted.

Papers should be submitted as A Word for Windows format and E mailed as an attachment to the editor at ijee@eircom.net. Papers over 5 MB in size should be submitted on a CD-ROM.

Images and figures should be included in the Word document or transmitted as separate GIF files. Hardcopies may be requested for improving the resolution of the print version. All published papers are available in print and online form.

News items of transnational interest, including courses and workshops, should be submitted to the Editor-in-Chief, Dr. Michael Wald ijee@eircom.net

Full contents Papers and Journal information are available on World Wide Web on http://www.ijee.dit.ie.

Access to current volumes is for subscribers only using ID password of IP identification. Current page charge rates for publication are posted on our website www.ijee.dit.ie under Important Announcement for Authors.

PAPERS MUST BE SUBMITTED IN ENGLISH.

A brief summary (not more than 100 words) of the scope of each paper must be sent with the manuscript.

Authors are requested to submit a brief biographical sketch of up to 100 words for each author.

Biographical sketches will be published with the paper unless requested otherwise.

Captions for figures and tables must be given on a separate sheet and included at the end of the manuscript.

Page charges are calculated according to the final number of published pages.

THE JOURNAL FOLLOWS LE SYSTEME INTERNATIONAL D’UNITES.

All Greek characters and unusual symbols must be identified by name in the margin the first time they appear.

References in the text to published literature should be given by numbers in square brackets on the line and the references should be listed at the end of the paper in numerical order.

JOURNAL REFERENCES SHOULD BE ARRANGED AS:

BOOK REFERENCES SHOULD BE GIVEN AS:

Abbreviations of journal titles will follow World List of Scientific Periodicals.

Proofs will be sent to the first-named author for correction, unless otherwise specified.

Corrections must be restricted to printer’s errors only. Other than these, any substantial changes may be charged to the author.

Typeset by Anne Joshua & Associates, Oxford
A selection of papers accepted for publication

Wu, Chen—Effect of Varied Types of Instructional Delivery Media and Messages for Engineering Education: An Experimental Study

Fok—The Engineering Graduate Training Scheme of the Hong Kong Institution of Engineers – fulfilling the purpose of training civil engineering graduates to become professional civil engineers

See—Bilateral collaborative partnership –A joint industry/university perspective

Forcada—Students’ Perceptions and Performance with Performance with Traditional vs. Blended Learning Methods in an Industrial Plants course

Onat—Developing a PC and SMS-μC Based Stepper Motor Drive Set

Aydin, Kaptan—Computer-aided Mobile GP Education Set

Istanbullu—Mobilim: Mobile Learning Management Framework System for Engineering Education

Garcia et al.—Empirical Studies in Software Engineering Courses: Some Pedagogical Experiences

Mendelson et al.—Nanotechnology Course Designed for College Sophomores

Ubeyli—MATLAB for Teaching Doppler Ultrasound Blood Flow Signal Analysis to Biomedical Engineering Students

Park et al.—The Effects of 3D-Simulation-Based Instruction on Students’ Achievement and Interests in a Manufacturing Engineering Class

Cardoso—A Teaching Strategy for Developing Application specific Architectures for FPGAs

Ogot, Okudan—A Student Centered Approach to Improving Course Quality Using Quality Function Deployment

Dogan—A Low-cost Microcontroller Based Hardware for Introducing Digital Filter Fundamentals to Students

Diaz et al.—An Interactive Software Tool for Learning Robust Control Design using Quantitative Feedback Theory Methodology

Stephen et al.—Using the Technology of University Buildings in Engineering Education

Savander-Ranne et al.—Educating Pulp and Paper Engineers for the Global Forest Industry

Ingram—Assessing the Impact of Career and Family Choices in Mid-Life: Striking the Right Balance for Women Engineers in Their 40’s

Lewis—Engineering Education in Schools

Gomez et al.—Educational Programme for Virtual Calibration in Dimensional Metrology: Development and Evaluation.

Cunkas—A Tool for Multiobjective Evolutionary Algorithms

Zemke—Developing a Practical Tutoring Model Based on Elements in Naturalistic Tutoring and Cognitive Theory