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Part I

Special Issue

MATLAB and Simulink in Engineering Education (II)

Guest Editor

Ahmad Ibrahim

RCC Institute of Technology, Toronto

Part II

**Contributions in Engineering Education Research,
Collaborative Projects, Automation Systems,
Environmental Engineering, Chemical Engineering and
Geotechnical Engineering**

The International Journal of ENGINEERING EDUCATION

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The International Journal of ENGINEERING EDUCATION

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 Only papers not previously published will be accepted and, once accepted for the Journal, must not be published elsewhere.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.

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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

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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.

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

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1. L. A. Pipes, Matrix analysis of heat transfer problems. *J. Franklin Inst.* **263**, 195–206 (1957).

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2. P. H. Parkin and H. R. Humphreys, *Acoustics, Noise and Buildings*, p. 84. Faber, London (1961).

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.

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Madeira *et al.*—Teaching Laminar Flow Reactors: From Experimentation to CFD Simulation

Stanley *et al.*—Traffic Monitoring Using a Three-Dimensional Object Tracking Approach

Anderson *et al.*—Implementing and Assessing Computer-Based Active Learning Materials In Introductory Thermodynamics

Maglaya—Development of a Waste Heat Recovery Mechanical Dryer

Woods—Estimation of Light Speeds Using PC/Windows Networked computers

Ogot—Integrating Systematic Creativity into First-Year Engineering Design Curriculum

Al-Jibouri *et al.*—Use of a Simulation Model as a Game for Teaching Project Management

Mougharbel *et al.*—Remote Lab Experiments Models: A Comparative Study

Padmaperuma *et al.*—Opportunities and Challenges in Instructional Design for Teaching the Flexure Formula Using a Revised Bloom's Taxonomy

Sebastian—Evaluating Online Testing Technology

Fraser *et al.*—Using Variation to Enhance Learning in Engineering

Zhao—Algorithms for converting raw scores of multiple choice question tests to Conventional Percentage Marks

Sweeney—Undergraduate Research and Education in Nanotechnology

Bejan, Lorente—Design with Constructal Theory

Smithers—Challenges for Bioresources Engineering Education in South Africa

Lackey—Grade Inflation: Potential Causes and Solutions

Chang *et al.*—A Hands-on Graduate Real-time Control Course: Development and Experience

Shakerin—The Art of Estimation

Steichen *et al.*—Improving Interdisciplinary Geoenvironmental Engineering Education through Empowerment Evaluation

Stormont, Chen—Using Mobile Robots for Mechatronics Education