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Mudd Design Workshop VIII
Design Education: Innovation and Entrepreneurship
Guest Editor
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The International Journal of Engineering Education (IJEE) is an independent, peer-reviewed journal. It has been serving as an international archival forum of scholarly research related to engineering education. The Journal publishes six issues per year.

The Journal has published papers in numerous areas of engineering education, including:

- Electrical/Electronics Engineering
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- Civil Engineering
- Chemical Engineering
- Computer Engineering
- Agricultural Engineering
- Aerospace Engineering
- Mathematics
- Statistics
- STEM Learning
- Thermodynamics
- Structural Engineering
- Control Engineering
- Robotics
- Mechatronics
- Fluid Mechanics
- Nanotechnology
- Simulators
- Web-Based Learning
- Remote Laboratories
- Engineering Design
- Engineering Education Research
- Assessment
- Problem-Based Learning
- Sustainability
- Creativity
- Cooperative Learning
- Active Learning
- Motivation
- Outreach
- Women in Engineering
- Needs of Industry
- International Cooperation

Submission of Manuscripts
Manuscripts are to be submitted to the Editor, Dr. Ahmad Ibrahim by e-mail at: ijee.editor@gmail.com

Manuscripts should be submitted in English as MSWord documents (.doc). Authors submitting a revised manuscript need to outline separately the response to the reviewers’ comments and the changes introduced to the manuscript.

Manuscripts will be reviewed; all accepted revised manuscripts should be submitted following the style of the Journal (a short guide is available online and at the end of the print issues). They will be copy-edited and typeset. The proofs in PDF format will be sent to the authors before publication.

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Page Charge
Authors of accepted manuscripts are asked to pay a page charge; the total charge is calculated based on the number of pages of the proofs. Details are provided on the web page of the IJEE.

Review Criteria
Manuscripts that appear to be within the scope of the Journal will be peer-reviewed. Reviewers are asked to consider several aspects of the manuscript, including:

- **Content**: clarity of objective, technical correctness, scope covered, conclusions drawn as supported by the data presented, proper literature survey, impact on teaching and learning, contribution to engineering education, etc.

- **Originality**: presence of new ideas or innovative contribution.

- **Structure**: logical layout, proper use and adequate number of figures, diagrams, tables, etc.

- **Quality of text**: being concise, correct grammar and spelling, clarity of expression, consistency, readability, citation of appropriate references, etc.
A selection of papers accepted for publication

Schreuders et al.—Student Attitude and Achievement with Computer-based Instrumentation


DeJong and Langenderfer—First-Year Engineering Students in Newly Accredited Programs: Enrollment and Persistence Demographics

Bjørner et al.—Creativity in Project Work—Students’ Perceptions and Barriers

Milkelides and Kuo—Using a Stand-Alone Junior Project Course as a Platform for Teaching Engineering Analysis of Mechanical Systems

Ngambeck et al.—Using Profiles of Person-Thing Orientation to Examine the Underrepresentation of women in Engineering in Three Cultural Contexts

Dhaouadi et al.—Introducing the Guided Design Experience in Control Engineering Education

Bingöl and Pacçi—A Virtual Laboratory for Neural-Network-Controlled DC Motors Based on a DC-DC Buck Converter

Yalvac and Ayar—Teaching Engineering with Wikis

Soltani et al.—Industry Input into the Education of Undergraduate Engineering Students through Sponsorship

Uria et al.—Solving the Problem of Interpreting Views: Teaching the Part Visualization Process

Park—An Application of a Manufacturing Activity Simulation Board for Teaching Production Costing

Bilgin—Parameter Free Visual Exploration Tool for Mining School Records

Rodriguez et al.—A New Way to Describe Intra- and Extra-cellular Electrical Potentials and their Generation by Excitable Cells

Arlitt and Grantham—A Hybrid Problem-Based and Just-in-Time Inductive Teaching Method for Failure Analysis Instruction

Verner et al.—Robotics Education in a Science Museum: Challenges and Pathways

Shyr—The Working Competency Items for Energy Technology: A Three-Stage Empirical Method

Guler and Mert—Evaluation of Internship Programs for Educational Improvements: A Case Study for Civil Engineering