

IIUM ENGINEERING JOURNAL

Volume 12

Number 1

2011



INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

IIUM (INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA)

ENGINEERING JOURNAL

CHIEF EDITOR

Ahmad Faris Ismail

TECHNICAL EDITOR

Amir Akramin Shafie

EXECUTIVE EDITOR

A.K.M. Nurul Amin

ASSOCIATE EDITORS

Hamzah Mohd. Salleh

Anis Nurashikin Nordin

Yulfian Aminanda

EDITORIAL BOARD MEMBERS

Md Raisuddin Khan, Malaysia

Maizirwan Mel, Malaysia

Luis Le Moyne, France

Rahman Mustafizur, Singapore

Hazleen Anuar, Malaysia

Teddy Surya Gunawan, Malaysia

Konstantin Khanin, Canada

Raed Kafafy, Malaysia

Jamal I. Daoud, Malaysia

Mohammad S. Alam, USA

AIMS & SCOPE OF IIUM ENGINEERING JOURNAL

The **IIUM Engineering Journal**, published biannually, is a carefully refereed international publication of International Islamic University Malaysia (IIUM). Contributions of high technical merit within the span of engineering disciplines; covering the main areas of engineering: Electrical and Computer Engineering; Mechanical and Manufacturing Engineering; Automation and Mechatronics Engineering; Material and Chemical Engineering; Environmental and Civil Engineering; Biotechnology and Bioengineering; Engineering Mathematics and Physics; and Computer Science and Information Technology are considered for publication in this journal. Contributions from other areas of Engineering and Applied Science are also welcomed. The IIUM Engineering Journal publishes contributions under *Regular papers*, *Invited review papers*, *Short communications*, *Technical notes*, and *Letters to the editor* (no page charge). Book reviews, reports of and/or call for papers of conferences, symposia and meetings, and advances in research equipment could also be published in IIUM Engineering Journal with minimum charges.

REFEREES' NETWORK

All papers submitted to IIUM Engineering Journal will be subjected to a rigorous reviewing process through a worldwide network of specialized and competent referees. Each accepted paper should have at least two positive referees' assessments.

SUBMISSION OF A MANUSCRIPT

An original and two copies of the original manuscript should be sent to:

Editor, IIUM-Engineering Journal, <http://www.iiu.edu.my/ejournal/>, e-mail: akamin@iiu.edu.my

Faculty of Engineering, International Islamic University Malaysia (IIUM), P.O. Box 10, 50728, Kuala Lumpur, Malaysia. Phone: (603) 6196 4482, Fax: (603) 6196 4853.
