

Acta Electronica Malaysia (AEM)

ADDRESS OF PUBLISHER & EDITOR'S OFFICE

Head Office Address

Chak No. 86- 75/10-R Post Office 87/10-R Tehsil & District Khanewal, Punjab, Pakistan Tel: +92652014186 / 00923017600569

Fax: +92652014186

Sales Office Address

C-3A-15 Centrio Pantai Hill Park, Jalan Pantai Murni 59200 Kuala Lumpur

Tel.: +60 327332657 Fax: +60 327332658

EDITORIAL STAFF:

Editor In Chief

Dr. Shafishuhaza binti Sahlan Control & Mechatronics Eng. Dept. (CMED), Fakulti Kejuruteraan Elektrik (FKE), Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

Managing Editor

Dr. Norzanah Binti Rosmin POWER department, Faculty of Electrical Engineering, UTM, Skudai, Johor, Malaysia.

Dr. Norzanah Binti Rosmin Research FellowCentre of Electrical energy System (CEES) UTM, Skudai, Johor, Malaysia.



Frequency: Bi-annual (2 issue per year)

ISSN: 2590-4043 (Online)

Web:

https://www.actaelectronicamalaysia.com/

E-mail:

info@zibelinepub.com

Acta Electronica Malaysia (AEM)



Table of Contents

No	Editorial	Pages
1	INVESTIGATION OF STAGE PHOTOGRAPHY IN JEE LEE'S WORKS AND COMPARINGTHEM WITH THE WORKS OF SANDY SKOGLUND	1-6
2	DESIGN OF AUTOMATIC MONITORING SYSTEM FOR TRANSFUSION	7-10
3	THE DESIGN OF WIRELESS RESPONDER SYSTEM BASED ON RADIO FREQUENCY TECHNOLOGY	11-14
4	THE IMPLEMENT OF WIRELESS RESPONDER SYSTEM BASED ON RADIO FREQUENCY TECHNOLOGY	15-17
5	ARTIFICIAL BEE COLONY CONSTRAINED OPTIMIZATION ALGORITHM WITH HYBRID DISCRETE VARIABLES AND ITS APPLICATION	18-20

Acta Electronica Malaysia (AEM)



Editorial

Acta Electronica Malaysia (AEM) provide an academic medium to researchers and an important reference for the advancement and dissemination of research results that support high-level learning, teaching and research in the fields of electronics and electrical engineering. AEM is and Open Access online journal, which publishes research, reviews, letters and guest edited thematic issues in all areas of electrical and electronic engineering making them accessible online freely without any restrictions or any other subscriptions to researchers worldwide.

Scientific Board

Editorial Team

Assoc. Prof. Dr. Rubita Sudirman Faculty of Electrical Engineering Universiti Teknologi Malaysia, Malaysia

Dr. Shahrin Md Ayob Faculty of Electrical Engineering Universiti Teknologi Malaysia, Malaysia

Assoc. Prof. Dr. Nik Rumzi Nik Idris Power Electronics and Drives Research Group, UTM Universiti Teknologi Malaysia, Malaysia

G. Vlachogiannis Dept. of Electrical Eng., Technical University of Denmark (DTU), Lyngby, Denmark

Adang Suwandi Ahmad School of Electrical Engineering and Information Technology Institute Technology Bandung, Indonesia

Bambang Riyanto Trilaksono School of Electrical Engineering and Information Technology Institute Technology Bandung, Indonesia

Pekik Argo Dahono School of Electrical Engineering and Information Technology Institute Technology Bandung, Indonesia

Arief Syaichu Rohman School of Electrical Engineering and Information Technology Institute Technology Bandung, Indonesia

Masayuki Hikita Faculty of Engineering Department of Electrical Engineering and Electronics Kyushu Institute of Technology, Japan Guan-Jun Zhang School of Electrical Engineering Xi'an Jiaotong University, China

Bang-Wook, Lee Department of Electronic Systems Engineering Hanyang University, Ansan Korea

Michael Muhr School of Electrical Engineering Graz Technical University Austria

Ramjee Prasad Center for TeleInfrastruktur Aalborg University Denmark

Anak Agung Julius Department of Electrical, Computer, and Systems Engineering Rensselaer Polytechnic Institute, USA

Anavatti Sreenatha School of Engineering and Information Technology ADFA, UNSW, Australia

Dina S. Laila
Faculty of Engineering and the
Environment University of Southampton,

Razak Hamdan Faculty of Information Science & Technology Universiti Kebangsaan Malaysia, Malaysia

Department of Electrical Engineering (Indian Institute of Technology Madras, India