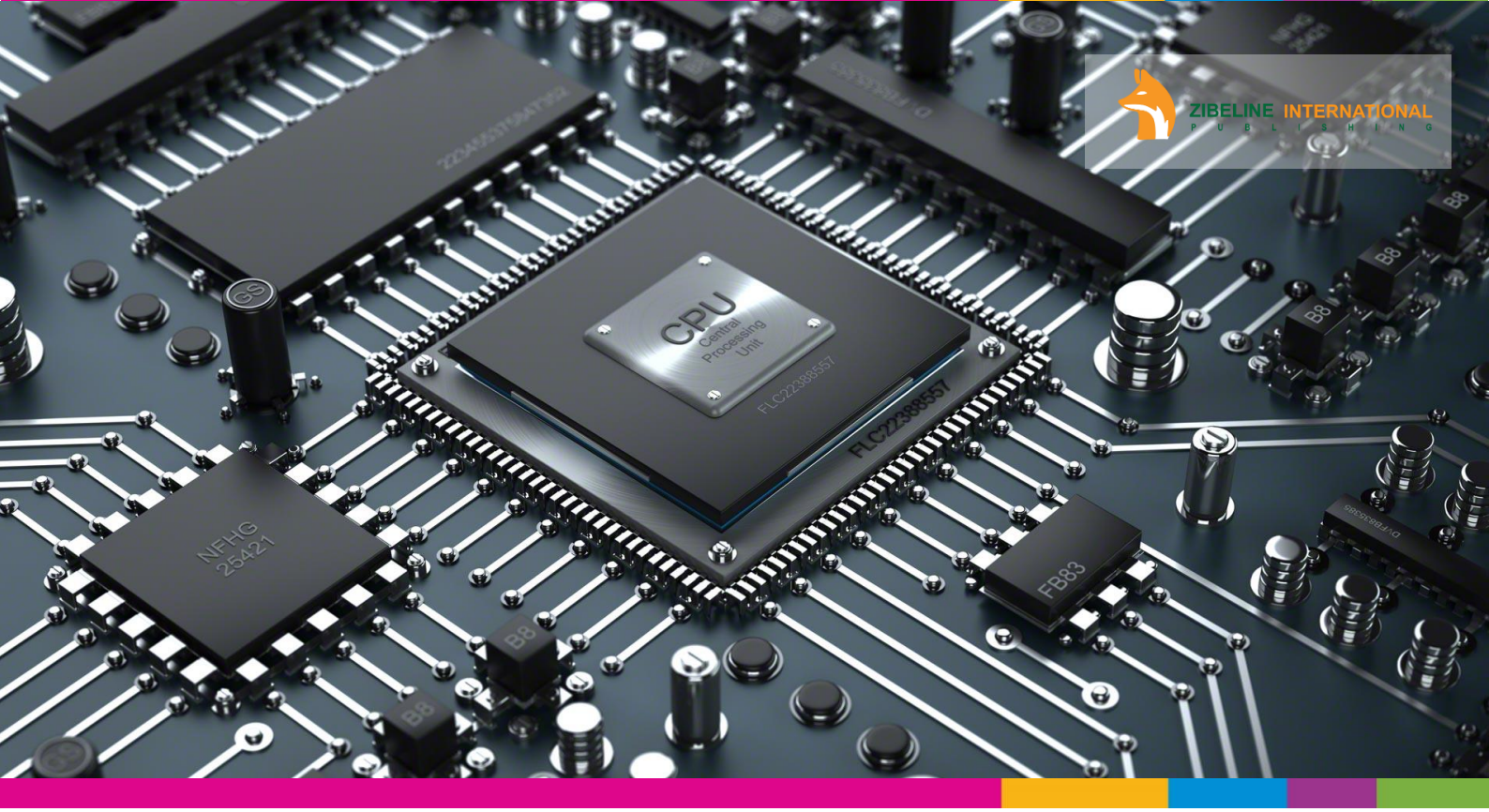

Acta Electronica Malaysia (AEM)

HEAD OFFICE ADDRESS:

Zibeline International Publishing Sdn Bhd
C2-2-3, Block 2, CBD Perdana 3,
Persiaran Cyberpoint Timur,
Cyber 12, 63000 Cyberjaya,
Selangor.
Tel: +603-86879842

EDITORIAL STAFF:

Publishing Manager
Tasbia Ab Rajul

Publishing Co-Coordinator
Nurul Atikah Arsat

Publishing Editor
Farah Awanis Md Radzi

Publishing Editor
Nurul Afiqah Ab Manan

Technical Editor
Nuruljannah Kamarudin

Technical Editor
Fakhruddin Che Fauzi

Frequency:
Bi-annual (2 issue per year)

ISSN: 2590-4043 (Online)

Price:
Single issue: 50 MYR
Price for abroad
Single issue: 25 USD

Web:
www.actaelectronicamalaysia.com

E-mail:
info@zibelinepub.com

Acta Electronica Malaysia (AEM)

Contents

VOLUME 4, ISSUE 1, 2020		
No	**Editorial**	**Pages**
1	STABILITY ANALYSIS OF DC-DC BUCK CONVERTERS	1-6
2	EVALUATION OF INFLUENCE OF CORONA ON LIGHTNING SURGE	7-10
3	ALGORITHMS AND OPTIMAL CHOICE FOR POWER PLANTS BASED ON M-POLAR FUZZY SOFT SET DECISION MAKING CRITERIONS	11-23
4	DESIGN OF TRAFFIC SIGNAL CONTROL SYSTEMS BASED ON FUZZY CONTROL	24-27
5	COMPUTER NETWORK ROUTING CONFIGURATION BASED ON INTELLIGENT ALGORITHM	28-30

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

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.

Associate Professor Dr. Shahreen Kasim
Head of Centre,Soft Computing and
Data Mining (SMC) Faculty of Computer
Science &Information Technology
University Tun Hussein Onn Malaysia, Malaysia

Editorial Board
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

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

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

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

Dina S. Laila
Faculty Of Engineering And The Environment
University Of Southampton, Uk

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

Sarathi
Department Of Electrical Engineering
(Indian Institute Of Technology Madras, India

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

Prof. Dr. Zhigang Liu
Nanchang University
Nanchang, China