



International Journal of Computer Science and Electronics Engineering (JCSEE) - Home

International Scientific Academy of Engineering and Technology (ISAET) provides free access to scientific research information to the international scientific research community without any financial, legal or technical barriers. International Journal of Computer Science and Electronics Engineering (JCSEE) is scholarly open access, peer-reviewed, interdisciplinary, bimonthly and fully refereed journal with ISSN 2320-401X (Printed Version) ISSN 2320-4028 (Online Version). This journal is freely distributed on the Internet and mobile digital media. The submitted original articles are double blind peer-reviewed within approximately ONE month of submission and the accepted articles are published on the Internet immediately upon receiving the final version of the article. All ISAET conference papers are also published in the journals. Please submit the Research papers for JCSEE at info@isaet.org and specify the name of the conference as well as journal at the time of submission.

The journal focusing on theories, methods and applications in Computer, Bio-Medical, Electrical, Electronics and Instrument Engineering. Apart from that all topics related to Software, Intelligent Systems and Information Technology are also covered in this journal.

The author guidelines are mentioned in the Author Guidelines section of the www.isaet.org Home page.

Editors

Editor in Chief

Prof. Dr. Parvinder S. Sandhu, Rajat & Bahra Institute of Engineering & Bio-Technology, Mohali, India

Dr. Thaweesak Yingthawornsuk, Department: Department of Media Technology, King Mongkuts University of Technology Thonburi - BangKhuntian Campus, Thailand

Editorial Board

Prof. Dr. Jean-Marc OGIER, Vice Président TIC TICE et Système d'Informations de l'Université de la Rochelle, Université de La Rochelle, France.

Prof. Dr. G. Mahadevan, AMCEC, Bangalore, India

Dr. Mohd Abdur Rashid, Dept: School of Electrical Systems Engineering, University Malaysia Perlis, Malaysia

Prof. Dr. Chandrasekaran M, Vels University, India

Dr. Teduh Dirgahayu, Department: Department of Informatics, Universitas Islam Indonesia, Indonesia

Assoc. Prof. Dr. Rakesh Ramteke, Department: Department of IT, North Maharashtra University, India

Dr. Moulay Akhloufi, Director Research & Development, Québec, Canada

Assist. Prof. Dr. SATEESH KUMAR PEDDOJU, Department: Electronics & Computer Engineering, Indian Institute of Technology Roorkee, India

Dr. Maziar Shajari, Department: Computer, Islamic Azad University - Dehaghan Branch, Iran

Dr. Marizan Mubin, Department: Department of Electrical Engineering, University of Malaya, Malaysia

Assoc. Prof. Dr. Sriramya C, Vels University, India

Dr. Mohamed Bououdina, Department: Nanotechnology Centre, University of Bahrain, Bahrain

Prof. Dr. Dhanasekaran Raghavan, Department: EEE, syed ammal engineering college, India

Dr. Adila Rani, Kookmin University, Korea (south)

Assist. Prof. Dr. Naftiz Intiaz Bin Hamid, Islamic University of Technology (IUT), Bangladesh

Dr. Sanjay Jain, Department: Computer Science & Applications, ITM University, Gwalior, India

[Leon Andretil Abdillah, Department: Computer Science, Bina Darma University, Indonesia](#)

Assoc. Prof. Dr. Siti Aishah Abdullah, University Technology MARA, Malaysia

Assist. Prof. Dr. Ranjeet Kumar Brajpurija, Department: PHYSICS, Amity University Haryana, India

Assoc. Prof. Dr. ANJAN BABU GUDISI, Sri Venkateswara University, India

Dr. Engku AzrulIsham, Department: Malaysia France Institute, Universiti Kuala Lumpur, Malaysia

Dr. Prakasam P, Department: ECE, Tagore Institute of Engineering and Technology, India

Assoc. Prof. Dr. Vivekanandan Paramu, Department: Physics, S.N.College, India

Dr. Mehul Vora, Department: Innovation Lab, Tata Consultancy Services Ltd, India

Dr. Vitri Tundjungsari, Department: Faculty of Information Technology, Yarsi University, Indonesia

Dr. Sanjeevkumar Padmanaban, Dept: School of Electrical Engg, VIT University, Chennai-Campus, India

Assist. Prof. Dr. Akhtar Ali Jalbani, Sindh Agriculture University Tandojam, Pakistan

Assoc. Prof. Dr. Mohammad Laghari, Department: Department of Electrical Engineering, UAE University,

Assist. Prof. Dr. Hadeel Alkutubi, Department: Informatics Center for Research & Rehabilitation, Kufa University, Iraq

Assist. Prof. Dr. LUISITO LOLONG LACATAN, Department: Computer Engineering Dept., ADAMSON UNIVERSITY - Manila Philippines, Philippines

Dr. Clement Temaneh Nyah, Department: Electronics and Computer Engineering, University of Namibia, Namibia

Dr. Debangshu Bhaumick, Department: R&D, Quest Research And Analytics Inc., India