



# International Journal of Engineering Research And Development

PEER REVIEWED JOURNAL



# International Journal of Engineering Research And Development

PEER REVIEWED JOURNAL

e-ISSN : 2278-067X

Volume 20, Issue 8, Series 4

p-ISSN : 2278-800X

## International Journal of Engineering Research and Development (IJERD)

IJERD : Editorial Board

Editorial Board Members:

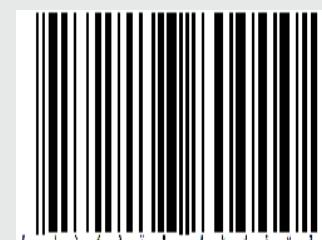
- Dr. H. U. Akay - Purdue University at Indianapolis (IUPUI)  
Dr. Martin P. Bendsoe - Technical University of Denmark  
Dr. F. Brezzi - University of Pavia, Italy  
Dr. M.D. Castellano - University of Zaragoza, Spain  
Dr. J. S. Chen - University of California  
Dr. A. Combescure - National Institute of Applied Science, France  
Dr. J. Fish - Rensselaer Polytechnic Institute  
Dr. D. K. Gartling - Engineering Sciences Center, Sandia National Laboratories  
Dr. S. Ghosh - Ohio State University  
Dr. S. Gopalakrishnan - Indian Institute of Science, India  
Dr. I. Harari - Tel Aviv University, Israel  
Dr. Ping Hu - Dalian University of Technology, China

Associate Editorial Board Member:

- Dr. S. R. Idels hn - Korea Advanced Institute of Science & Technology, Korea  
Dr. S. Im - Argentinean Association for Computational Mechanics (AMCA), Santa Fe, Argentina  
Dr. Y. Jaluria - Lulea University of Technology  
Dr. W. Kanok - Nukulchai - Asian Institute of Technology, Thailand  
Dr. Tarun Kant - Indian Institute of Technology, India  
Dr. K. M. Liew - City University of Hong Kong, Hong Kong  
Dr. L. E. Lindgren - Rutgers, the State University of New Jersey  
Dr. H. A. Mang - Technical University of Wien Karlsplatz, Austria  
Dr. Shaker A. Meguid – Univ. Politecnica de Catalunya, Spain  
Dr. C. A. Mota Soares - University of Toronto, Canada  
Dr. S. Mukherjee - National Taiwan University, Taiwan  
Dr. E. Onate - Technical University of Lisbon Polo I.S.T., Portugal  
Dr. M. Papadrakakis – National Technical University of Athens, Greece  
Dr. Glaucio Paulino – University of Illinois at Urbana-Champaign  
Dr. Elio Sacco - University of Minnesota University of Cassino, Italy  
Dr. B. A. Schrefler - University of Padova, Italy  
Dr. K. Tamma - University of Cassino, Italy  
Dr. Y. B. Yang - Cornell University

Editor-in-Chief

International Journal of Engineering Research and  
Development(IJERD)  
E-mail: ijerd@editormails.com  
Website: www.ijerd.com



## Contents :

Beyond Automation: AI as a Catalyst for New Job Creation in Software Development	419-424
Transforming Campus Plans into Tangible Models: A 3D printing Journey at SIET College campus	425-429
Enhancing 5G-NR mm Wave: Phase Noise Models Evaluation with MMSE for CPE Compensation	430-445
Contemplating Existence: AI and the Meaning of Life	446-454
Factors Affecting Electric Power Distribution in Sokoto State -Nigeria	455-466
Impact of Age Structure and Vaccine Efficacy on the Control and Prevention of Diphtheria	467-476
An Algorithm to Choose the Best Finite Bundle of Products: HB Algorithm	477-487
Disinformation and Threats to Democratic Integrity: Social, Business, and Political Contexts	488-495
Power quality Effects, Sources, and Mitigation Approaches in grid-connected solar photovoltaic system: A Comprehensive overview	496-501
A Study on Media and Law on the Coverage of Religious and Sensitive Issues	502-510
Developing an optimal landing algorithm for fixed-wing Unmanned Aerial Vehicles (UAVs) utilizing the principle of Pontryagin's maximum	511-521
End-to-End Systems Development in Agile Environments: Best Practices and Case Studies from the Financial Sector	522-529

Peer Reviewed Refereed Journal