



International Journal of Engineering Research and Development

e-ISSN : 2278-067X p-ISSN : 2278-800X



International Journal of Engineering Research and Development

e-ISSN : 2278-067X p-ISSN : 2278-800X

e-ISSN : 2278-067X

Volume 21, Issue 5

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:

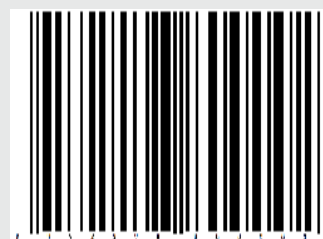
Dr. S. R. Idels hn - Korea Advanced Institute of Science & Technology, Korea
Dr. S. Im - Argentinean Association for Computational Mechanics (AMCA), Santa Fe, Argentina
Dr. Y. Jaluria - Lulea University of Technology
Dr. W. Kanok - Nukulchai - Asian Institute of Technology, Thailand
Dr. Tarun Kant - 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 :

Eye Controlled Mouse Cursor and Speech Recognition	01-07
Nanostructured Solutions for Energy Sustainability: Interfaces Between Technological Innovation, Accessibility, and Climate Mitigation	08-18
Indian Stock Market Analysis Using AI	19-21
A Study on the Human Adaptation of the IMV Membrane Protein Gene in Monkeypox Virus	22-33
Efficient depth estimation method under the guidance of semantic segmentation	34-37
Promoting classification of domestic solid waste at source in Na Ri district, Bac Kan province, Viet Nam	38-43
Theft Detection System	44-50
Groundwater Quality Analysis and Evaluation for the Determination of the Spatio-Temporal Differences in Selected Zones in Imo State, Nigeria	51-60
Ergonomic Concern in Determination of Optimum Teaching Approach in a Primary School System	61-66
Optimization and Implementation of Tarpaulin Welding Machine Pressure Control System for Increase in Efficiency	67-77
Energy Forecasting Models for Power and Telecommunication Infrastructures: A Systematic Review	78-93
Eye Controlled Mouse Cursor and Speech Recognition	94-98
Seismic Analysis of Structures with Soft Storey and Irregularities: A Comprehensive Review	99-101
Urbanization and Environmental Sustainability in India: A Quantitative Assessment of Multidimensional Impacts	102-108
Comprehensive Assessment of Air Pollution around Opencast Coal Mining Areas: Pollutant Dynamics, Health Impacts, and Dispersion Modeling in Central India	109-115

Peer Reviewed Refereed Journal