Editor-In-Chief
Dr. Shiv K Sahu
Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT)
Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India
Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology (LNCT), Bhopal (M.P.), India

Associated Editor-In-Chief
Prof. (Dr.) Hamid Saremi
Vice Chancellor of Islamic Azad University of Iran, Quchan Branch, Quchan-Iran

Dr. Venkat K. Krishnan
Post-Doctoral Research Associate, Electrical and Computer Engineering, 1121 Coover Hall, Iowa State University, Ames, Iowa, USA 50011

Dr. Chee Fai Tan
Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia

Dr. Shachi Sahu
Ph.D. (Chemistry), M.Sc. (Organic Chemistry)
Additional Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Scientific Editors
Dr. Moinuddin Sarker
Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, CT-06902, USA.

Dr. Shanmugha Priya. Pon
Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, P.O.Box.920, Makambako, Njombe Region, Tanzania, East Africa, Tanzania.

Dr. Guoxiang Liu
Member of IEEE, University of North Dakota, Grand Frorks, N.D., USA

Dr. Veronica Mc Gowan
Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail
Professor, System and Networking Department, Jalan Sultan Ismail, Kaula Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun
Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Mersin 10 Via Turkey.

Dr. Kakoli Das
Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madiajagan
BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska
Associate Professor, Department of Applied Informetics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith
International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra
Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco
Professor, Dip.to Di Scienze Dell’Economia-Sez. Matematico-Statistica, Italy

Dr. Panich Intra
Associate Professor, Research Unit of Electrostatic Applications in Energy and Environment (RUEE), College of Integrated Science and Technology, Rajamangala University of Technology Lanna, Chiang Mai 50300, Thailand
Dr. Syed Zaheer Hasan
Scientist-G Petroleum Research Wing, Gujarat Energy Research and Management Institute, Energy Building, Pandit Deendayal Petroleum University Campus, Raisan, Gandhinagar-382007, Gujarat, India.

Dr. Ebrahim Nohani
Associate Professor, Department of Hydraulic Structures, Dezful Branch, Islamic Azad University, Dezful, Iran

Executive Editors
Dr. Yu Qi
Department of Computer Science, 30 Montgomery Street, Suite 1250, Jersey City, NJ, USA

Dr. Vahid Nourani
Professor, Faculty of Civil Engineering, University of Tabriz, Iran

Prof.(Dr.) Anuranjan Misra
Professor & Head, Computer Science & Engineering and Information Technology & Engineering, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina
Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania

Dr. Deepak Garg
Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney
Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah
Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Yue Yang Road, Shanghai, China

Dr. Xiaoguang Yue
Associate Professor, College of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China

Dr. Labib Francis Gergis Rofaiel
Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura City, Egypt

Dr. Ravindra Prakash Gupta
Principal, Maharishi Arvind College of Engineering and Research Center, Sirsi Road, Jaipur, India

Dr. Hugo A.F.A. Santos
ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, Texas, USA

Dr. D. S. R. Murthy
Professor in Information Technology, SreeNidhi Institute of Science and Technology Yammampet, Hyderabad - 501301, A.P., India

Dr. P.Raviraj
Professor & Head, Dept. of Computer Science & Engg, Kalaignar Karunanidhi Institute of Technology, Coimbatore, India

Dr. Kapil Kumar Bansal
Head (Research and Publication), SRM University, Gaziabad (U.P.), India

Dr. T.C. Manjunath
Principal & Professor, HKBK College of Engg, Nagawara, Arabic College Road, Bengaluru-560045, Karnataka, India

Dr. Kosta Yogeshwar Prasad
Director, Technical Campus, Marwadi Education Foundation’s Group of Institutions, Rajkot-Morbi Highway, Gauridad, Rajkot, Gujarat, India

Dr. P. Dananjayan
Professor, Department of Department of ECE, Pondicherry Engineering College, Pondicherry, India
Dr. Manoj Kumar
Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli, Prabudh Nagar, (U.P.), India

Dr. Shaikh Abdul Hannan
Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalip Singh Arts and Science College, Aurangabad (Maharashtra), India

Dr. K.M. Pandey
Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar, India

Managing Chair
Mr. Jitendra Kumar Sen
International Journal of Innovative Science and Modern Engineering (IJISME)

Reviewer Chair
Dr. Ashu Gupta
Assoc. Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar, Punjab, India

Dr. T. Logeswari
Associate Professor, Department of MCA, Dr. N.G.P. – Kalapatti Road Coimbatore - 641048 India

Dr. Nurul Fadly Habidin
Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, 35900 Tanjung Malim, Perak

Dr. S. Manikandan
Department of ECE, Dean, VKS College of Engineering and Technology, Karur, Tamilnadu, India

Dr. S. Sasikumar
Department of ECE, Jayaram College of Engineering and Technology, India

Dr. Mojitua Moradi
Assoc. Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran

Dr. Neeraj Kumar
Assoc. Professor, Department of Applied Sciences & Humanities, IIIMT Engineering College, Meerut (U.P.), India

Dr. T. V. Suryanarayana
Assoc. Professor, Department of ECE, K.L. University, Green Fields, Vaddeswaram, Guntur District, A.P., India

Dr. Yaswanth Kumar Avulapati
Department of Computer Science, S.V. U. College of CM&CS, S.V. University, Tirupati, India

Dr. Yu Qi
Department of Computer Science, 30 Montgomery Street, Suite 1250, Jersey City, NJ, USA

Dr. N Dinesh Kumar
Professor, Department of Electronics & Instrumentation, VITS, Vighnaharta Hills, Deshmukhi, Pochampalli Mandal, Nalgonda Dist, India

Dr. Deepshikha Bhargava
Assoc. Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India

Dr. Dinesh Sharma
Assoc. Professor, Department of ECE, DAVCET, Kanina (HR), India

Dr. Aginam, Chukwurah Henry
Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria

Dr. Messaouda AZZOUZI
Associate Professor, Department of Sciences and Technologies, Cite Porte Charef (02) Nr 14/798, Djelfa, Algeria

Dr. Remica Aggarwal
Assoc. Professor, Department of Management, BITS Pilani, Rajasthan, India

Dr. Dinesh Chandra Jain
Assoc. Professor, Department of Computer Science & Engineering, S.V.I.T.S – Indore (M.P.), India
Dr. Vu Truong Vu
Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, No. 2, D3 Street, Ward 25, Binh Thanh District, Ho Chi Minh City, Viet Nam

Dr. Muhammad Farhan
Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council North Jimmy Doolittle Road, Salt Lake City, Utah

Dr. S.Sumathi
Professor, Department of Electrical and Electronics Engineering, V.M.K.V. Engineering College, Salem

Dr. G. Subramanya Nayak
Assoc. Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal Karnataka, India

Dr. R. Balamurugan
Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode Tamilnadu, India

Dr. Ganesh Kumar T
Department of Computer Science and Engineering, Research Scholar, Manonmaniam Sundaranar University, Tirunelveli, India

Dr. K. Siva Rama Krishna
Assoc. Professor, Department of Civil Engineering, Gitam University Visakhapatnam, India

Dr. P. Sanjeevikumar
Assoc. Professor, Department of Electrical Engineering, Bharathi Street, Jeevanandhapuram, Lawspet, Puducherry, India.
<table>
<thead>
<tr>
<th>S. No</th>
<th>Volume-4 Issue-12, July 2017, ISSN: 2319-6386 (Online) Published By: Blue Eyes Intelligence Engineering &amp; Sciences Publication Pvt. Ltd.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Authors:</strong> S. R. Masilamani, Sudharsanamurthy.P</td>
<td>1-5</td>
</tr>
<tr>
<td></td>
<td><strong>Paper Title:</strong> Development of Noise Map for Porur Junction using GIS</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Abstract:</strong> Noise pollution has become a major concern for communities living in the Chennai city. Noise pollution of urban areas is one of the serious factors that the local agencies and state authorities have to consider in decision making processes. In the reality, noise travels in all direction. Elevated noise levels due to vehicular traffic are cause of great concern in residential areas. Residents living in high rise buildings are also severely affected by traffic noise. It is therefore important to develop noise maps that can show influence of noise in all direction. The spatial analysis and geo statistical methods of GIS can play an important role to control noise pollution. GIS provide framework to integrate noise calculation models with spatial data that can be used for building noise maps. A case study was illustrated using the developed noise maps. This involved building simple, generation of observation point and noise calculation using observed noise data. In this study an attempt is made to monitor the noise pollution due to vehicular traffic at one of the major intersection Porur using digital sound level meter. The variation in the noise levels and traffic volume data in the peak hours are studied and presented as noise map for the selected location and the vulnerable zones are also identified in this study. This study also includes the effects and remedies which can be provided for minimizing the noise pollution.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Keywords:</strong> Noise pollution, GIS, Traffic noise maps, Traffic noise prediction, Spatial data.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Authors:</strong> Sharda Dubey, Sumit Gupta</td>
<td>6-8</td>
</tr>
<tr>
<td></td>
<td><strong>Paper Title:</strong> A Survey on Various IP Spoofing Attacks Techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Abstract:</strong> Cyber crimes are becoming increasingly sophisticated and have more severe economic impacts. Each attacker goal can be divided into four main classes: Interruption, interception, modification and fabrication. Based on the attacker goals there are mainly two types of attack, active attack and passive attack. Active attacks are those in which attacker can modify information, interruption services and aim to gain unauthorized access to the network systems. During passive attack, the attacker simply monitors the transmission between the two parties and capture information that is send and receive. For this many traditional network devices such as Intrusion Detection System (IDS), firewalls and security scanners are available. However, these techniques will not be able to detect the IP spoofing attacks. And also the spoofing attacks are man-in-the-middle attack. Hence there should be some mechanism by which such attacks can be detected. Through this paper we aim to make a comparative study on various mechanisms by which IP spoofing attack can be detected and specify the different available techniques to prevent the IP spoofing attack. First a penetration test method is presented to detect IP spoofing through the design flaws. Second paper, Defense against Spoofed IP Traffic Using Hop-Count Filtering, says how IP spoofing can be detected using hop count value. The third paper, A protection Method against Unauthorized Access and Address Spoofing for Open Network Access Systems, which proposed a system for IP spoofing detection has been studied. Finally a comparison of these three methods has been made. The forth paper, Enhanced ARP: Preventing ARP Poisoning-Based Man-in-the-Middle Attacks, defines how to enhance the ARP to detect and prevent man-in-the-middle attack. Through our study we concluded that the system proposed in A protection Method against Unauthorized Access and Address Spoofing for Open Network Access Systems is more efficient and less complex that the other two techniques.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Keywords:</strong> Destination IP address, Hop count filtering, IP spoofing, Man-in-the-middle attack, Penetration test, source IP address.</td>
<td></td>
</tr>
</tbody>
</table>


Authors: Mohammed Sazid

Paper Title: Application of Dynamic Numerical Code for Rock Blasting

Abstract: The development of rock blasting technology is dynamic in nature and concepts of blast theory were customized from time to time based on field results. A number of physical models were tested and verified to comprehend effect of explosive types, blast geometry, rock types etc. Field experiments are time consuming as well as costlier too and many a times it is not possible to conduct field trials with varying parameters due to production pressure. Although, advance field instrumentation technology have been developed to monitor the rock blasting phenomenon but still there are more critical parameters which cannot be measure from field experimentation because of short duration of time. As a results, numerical modeling tool are now considered to be versatile and expedient to simulate the prototype more efficiently. This paper mainly focuses on the results of dynamic numerical modeling using Abaqus/explicit tool to understand rock mass respond and its breakage mechanism, energy utilization history etc. In this paper, a field condition was simulated for single and multiple hole blast to understand the wave propagation mechanism around the blast vis-à-vis effective energy utilization.

Keywords: Rock blasting, Dynamic numerical modelling, Abaqus/explicit, Energy utilization

References:


Authors: Amminder Singh, Ashwani Kumar

Paper Title: Effect of Machining Input Parameter on the Surface Roughness Quality

Abstract: Past few years an increasing interest in the surface finish produced in turning operation to obtain a product of high quality, the new cutting tool materials like high performance ceramics, coated carbides has been seen which have greatly improved machining of several engineering materials. The productivity during manufacturing can be enhanced by reducing machining cost and selecting appropriate machining parameters. The performance of machining process is depends on various parameters like tool geometry parameters, cutting parameters, tool materials, work piece materials. In this research work the effect of different back rake angle along with cutting parameters and speed has been investigated while machining AISI H11 steel with single coated
carbide tools.

**Keywords:** Machining, Surface roughness, Feed, Rake angle, Speed, Coating.

**References:**