Second International Conference on Advances in Computer Science and Application and International Conference on Advances in Signal Processing and Communication 2013

Lecture Series in Computer Science Volume 3

Lucknow, India
21 – 22 June 2013

Editors:

Shankaranarayanan
Vinu V Das

ISBN: 978-1-5108-1704-3

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2013) by International Technology Innovation
All rights reserved.

Printed by Curran Associates, Inc. (2016)

For permission requests, please contact International Technology Innovation
at the address below.

International Technology Innovation
24 Flatbush Lane
L7A 2X1, ON, Canada

Phone: +1(416) 671 9413

admin@theiti.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

Full Papers

1. Generation of Orthogonal Minimum Correlation Spreading Code for CDMA System 1-5
   Shibashis Pradhan, Sudipta Chattopadhyay, Sharmila Meinam

2. Some Studies on Different Power Allocation Schemes of Superposition Modulation 6-11
   Sharmila Meinam, Sudipta Chattopadhyay and Shibashis Pradhan

3. Texture Unit based Approach to Discriminate Manmade Scenes from Natural Scenes 12-18
   Rath N P and Bandana Mishra

4. Using Decision Tree for Automatic Identification of Bengali Noun-Noun Compounds 19-24
   Vivekananda Gayen and Kamal Sarkar

5. Estimation of Functional Size of a Data Warehouse System using COSMIC FSM Method 25-30
   Avinash Samuel, Anil Kumar Pandey and Vivek Kumar Sharma

6. Digital Beamforming for Simultaneous Power and Information Transmission in Wireless Systems 31-35
   Sanjeet Kumar Gupta, Rakesh Sharma and Anish Kumar

Short Paper

7. Application of Hilbert-Huang Transform in the Field of Power Quality Events Analysis 118-124
   Manish Kumar Saini and Komal Dhamija

Poster Papers

8. Identification of Rhetorical Structure Relation from Discourse Marker in Bengali Language Understanding 42-45
   Abhishek Sarkar and Pinaki Sankar Chatterjee

9. An Overview on Data Quality Issues at Data Staging ETL 46-49
   Nitin Anand and Manoj Kumar

10. Study of Web Application Attacks & Their Countermeasures 50-55
    Naresh Kumar and Kanika Sharma

11. K-means Clustering Method for the Analysis of Log Data 56-58
    Rudresh Shirwaikar and Chaitali Bhandari

12. Various Mathematical and Geometrical Models for Fingerprints: A Survey 59-62
    Manish Kumar Saini, Saini J S and Shachi Sharma

© 2013 ACEEE
DOI: 03.LSCS.2013.3.F8

13. Identification of the Memory Process in the Irregularly Sampled Discrete Time Signal of Solar Radio Flux 63-65
Amrita Prasad, Chaiti Kumar, Sankar Narayan Patra and Koushik Ghosh

14. Extracting Acoustic Features of Singing Voice for Various Applications Related to MIR: A Review 66-71
Deepali Y Loni and Shaila Subbaraman

15. A Simulation Based Analysis of Lowering Dynamic Power in a CMOS Inverter 72-75
Durlabha Chaudhary, Rajesh Yadav and Neeraj Kr Shukla

16. Review on Image Enhancement in Spatial Domain 76-79
Manish Kumar Saini and Deepak Narang

17. Fault Modeling for Verilog Register Transfer Level 80-83
Namita Palecha, Poornima M and Suma M S

18. Unspoken Words Recognition: A Review 84-87
Manish Kumar Saini, Saini J S and Neeraj

19. Signal Processing, Statistical and Learning Machine Techniques for Edge Detection 88-91
Manish Kumar Saini and Deepak Sindhu

20. Signal Processing Tool for Emotion Recognition 92-95
Manish Kumar Saini, Saini J S and Ravinder

21. PID Controller Design for a Real Time Ball and Beam System – A Double Integrating Process with Dead Time 96-99
Thirunavukkarasu I, Marek Zyla, George V I and Shanmuga Priya

22. Modified AODV Algorithm using Data Mining Process: Classification and Clustering 100-103
Srivastava Sumit and Maheshwari Shashikant

23. Signal Processing and Soft Computing Techniques for Single and Multiple Power Quality Events Classification 104-107
Manish Kumar Saini and Priyanka

24. Leakage Power Reduction Techniques Revisited in a CMOS Inverter Circuit at Deep Sub-micrometer CMOS Technology 108-111
Devi Sivaraman and Neeraj Kr Shukla

25. Performance Evaluation of Query Processing Techniques in Information Retrieval 36-41
Prakasha S, Shashidhar H R, Raju G T, Prajna Krishnan and Shivaram K

© 2013 ACEEE
DOI: 03.LSCS.2013.3.F8

Tutorial Paper

26. Cloud Computing: A Key to Effective & Efficient Disease Surveillance System 112-114
Sunil Chowdhary and Abhishek Srivastava

27. Comparison of Proposed Kite Architecture with PHexagon for Directional Sensor Network 115-117
Srivastava Sumit, Mitra Deepankar and Gupta Devanshi

© 2013 ACEEE
DOI: 03.LSCS.2013.3.F8