INTERNATIONAL JOURNAL OF MONITORING AND SURVEILLANCE TECHNOLOGIES RESEARCH

January-March 2013, Vol. 1, No. 1

Table of Contents

Research Articles

1 Modeling of Multi-Image/Video Flow on a Multiprocessor Surveillance System

Athanasios Tsitsoulis, Assistive Technologies Research Center (ATRC), College of Engineering and Computer Science, Wright State University, Dayton, OH, USA

Nikolaos Bourbakis, Assistive Technologies Research Center (ATRC), College of Engineering and Computer Science, Wright State University, Dayton, OH, USA

16 Design of Implantable Antennas for Medical Telemetry: Dependence upon Operation Frequency, Tissue Anatomy, and Implantation Site

Asimina Kiourti, School of Electrical and Computer Engineering, National Technical University of Athens, Athens, Greece Konstantina S. Nikita, School of Electrical and Computer Engineering, National Technical University of Athens, Athens, Greece

34 Measurement Methodologies for Assessing the Glycolysis Effect in the Discrimination and Therapy of Brain Gliomas

Michalis G Kounelakis, Department of Electronic and Computer Engineering, Technical University of Crete, University Campus, Kounoupidiana, Chania, Crete, Greece

Ekaterini S Bei, Department of Electronic and Computer Engineering, Technical University of Crete, University Campus, Kounoupidiana, Chania, Crete, Greece

Michalis E Zervakis, Department of Electronic and Computer Engineering, Technical University of Crete, University Campus, Kounoupidiana, Chania, Crete, Greece

Georgios C Giakos, Department of Electrical and Computer Engineering, The University of Akron, Akron, OH, USA Lin Zhang, Department of Chemistry, Cleveland State University, Cleveland, OH, USA

Chaya Narayan, Department of Electrical and Computer Engineering, The University of Akron, Akron, OH, USA Dimitrios Kafetzopoulos, Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology, Hellas, Heraklion, Crete, Greece

56 Optimization of Power Allocation in Multimedia Wireless Sensor Networks

Ming Yang, School of Computing and Software Engineering, Southern Polytechnic State University, Marietta, GA, USA Dajin Wang, Department of Computer Science, Montclair State University, Montclair, NJ, USA Nikolaos Bourbakis, College of Engineering and Computer Science, Wright State University, Dayton, OH, USA

69 A Conceptual Model for Integrative Monitoring of Nuclear Power Plants Operational Activities Based on Historical Nuclear Incidents and Accidents

Kaylyn McCoy, Nuclear Engineering Program, The University of Utah, Salt Lake City, UT, USA Miltiadis Alamaniotis, Nuclear Engineering Program, The University of Utah, Salt Lake City, UT, USA

Copyright

The **International Journal of Monitoring and Surveillance Technologies Research (IJMSTR)** (ISSN 2166-7241; eISSN2166-725X), Copyright © 2013 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without witten permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not neccessarily of IGI Global

The International Journal of Monitoring and Surveillance Technologies Research is currently listed or indexed in: Cabell's Directories; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory