

International Journal of Monitoring and Surveillance Technologies Research

January-March 2014, Vol. 2, No. 1

Table of Contents

RESEARCH ARTICLES

- 1 **Assessment of Fuzzy Logic Radioisotopic Pattern Identifier on Gamma-Ray Signals with Application to Security**
Miltiadis Alamaniotis, Nuclear Engineering Program, University of Utah, Salt Lake City, UT, USA & Applied Intelligent Systems Laboratory, School of Nuclear Engineering, Purdue University, West Lafayette, IN, USA
Jason Young, Applied Intelligent Systems Laboratory, School of Nuclear Engineering, Purdue University, West Lafayette, IN, USA
Lefteri H. Tsoukalas, Applied Intelligent Systems Laboratory, School of Nuclear Engineering, Purdue University, West Lafayette, IN, USA
- 22 **From Image to XML: Monitoring a Page Layout Analysis Approach for the Visually Impaired**
Robert Keefer, Pomiet, LLC, Dayton, OH, USA
Nikolaos Bourbakis, ATRC, Wright State University, Dayton, OH, USA
- 44 **The MobiFall Dataset: Fall Detection and Classification with a Smartphone**
George Vavoulas, Technological Educational Institute of Crete (TEIC), Biomedical Informatics and eHealth Laboratory (BMI Lab), Heraklion, Crete, Greece
Matthew Pediaditis, Member, IEEE, TEIC - BMI Lab and Foundation for Research and Technology – Hellas, Computational Medicine Laboratory, Institute of Computer Science, Heraklion, Crete, Greece
Charikleia Chatzaki, TEIC- BMI Lab and Foundation for Research and Technology – Hellas, Computational Medicine Laboratory, Institute of Computer Science, Heraklion, Crete, Greece
Emmanouil G. Spanakis, TEIC- BMI Lab and Foundation for Research and Technology – Hellas, Computational Medicine Laboratory, Institute of Computer Science, Heraklion, Crete, Greece
Manolis Tsiknakis, Member, IEEE, TEIC- BMI Lab and Foundation for Research and Technology – Hellas, Computational Medicine Laboratory, Institute of Computer Science, Heraklion, Crete, Greece
- 57 **Studying the Blood Plasma Flow past a Red Blood Cell with the Mathematical Method of Kelvin's Transformation**
Maria Hadjinicolaou, School of Science and Technology, Hellenic Open University, Patras, Greece
Eleftherios Protopapas, School of Science and Technology, Hellenic Open University, Patras, Greece

Copyright

The **International Journal of Monitoring and Surveillance Technologies Research (IJMSTR)** (ISSN 2166-7241; eISSN 2166-725X), Copyright © 2014 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 written 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 necessarily of IGI Global.

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