

International Journal on Advances in Internet Technology



2012 vol. 5 nr. 3&4

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© (2012) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2013)

International Academy, Research, and Industry Association (IARIA)
412 Derby Way
Wilmington, DE 19810

Phone: (408) 893-6407
Fax: (408) 527-6351

petre@iaria.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

CONTENTS

pages: 65 - 83

Performance Evaluation of Distributed Mobile Application Virtualization Services

Chung-Ping Hung, Department of Electrical and Systems Engineering, Washington University in St. Louis, USA
Paul S. Min, Department of Electrical and Systems Engineering, Washington University in St. Louis, USA

pages: 84 - 94

Vision towards an Open Electronic Wallet on NFC Smartphones

Glenn Ergeerts, Artesis University College Antwerp, Belgium
Dries Schellekens, KU Leuven, Belgium
Frederik Schrooyen, Artesis University College Antwerp, Belgium
Rud Beyers, Artesis University College Antwerp, Belgium
Kevin De Kock, Artesis University College Antwerp, Belgium
Thierry Van Herck, Artesis University College Antwerp, Belgium

pages: 95 - 113

On-line Safety Monitor Based on a Safety Assessment Model and Hierarchical Deployment of a Multi-agent System

Amer Dheeadn, Delmon University, Kingdom of Bahrain

pages: 114 - 125

Getting Anesthesia Online: The smartOR Network

Marcus Koeny, Chair for Medical Information Technology, RWTH Aachen University, Germany
Julia Benzko, Chair of Medical Engineering, RWTH Aachen University, Germany
Michael Czaplík, Department of Anesthesiology, University Hospital RWTH Aachen, Germany
Marian Walter, Chair for Medical Information Technology, RWTH Aachen University, Germany
Klaus Radermacher, Chair of Medical Engineering, RWTH Aachen University, Germany
Rolf Rossaint, Department of Anesthesiology, University Hospital RWTH Aachen, Germany
Steffen Leonhardt, Chair for Medical Information Technology, RWTH Aachen University, Germany

pages: 126 - 140

Hierarchical Routing for Small World Wireless Networks

Juhani Latvakoski, VTT Technical Research Centre of Finland, Finland

pages: 141 - 161

Design and Implementation of an Online XML Compressor for Large XML Files

Tomasz Muldner, Jodrey School of Computer Science Acadia University Wolfville, B4P 2A9 NS, Canada
Tyler Corbin, Jodrey School of Computer Science Acadia University Wolfville, B4P 2A9 NS, Canada
Jan Krzysztof Miziołek, IBI AL, University of Warsaw, Warsaw, Poland
Christopher Fry, Jodrey School of Computer Science Acadia University Wolfville, B4P 2A9 NS, Canada

pages: 162 - 172

Query-by-Appearance: Visual Query Expansion to Support Domain-Specific Retrieval of e-Books

Shuichi Kurabayashi, Keio University, Japan
Yuka Koike, Keio University, Japan

pages: 173 - 185

Performance Test Case Generation for Java and WSDL-based Web Services from MARTE

Antonio García-Domínguez, University of Cádiz, Spain

Inmaculada Medina-Bulo, University of Cádiz, Spain

Mariano Marcos-Bárcena, University of Cádiz, Spain

pages: 186 - 195

A Cross-Domain Query Navigation and Visualization System for Touchscreens that Exploits Social Search History

Shuichi Kurabayashi, Keio University, Japan

Ryo Shimaoka, Keio University, Japan