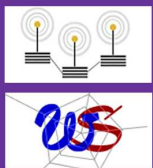


International Journal on Advances in Networks and Services



2013 vol. 6 nr. 1&2

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 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: 1 - 16

Sun Behind Clouds - On Automatic Cloud Security Audits and a Cloud Audit Policy Language

Frank Doelitzscher, Furtwangen University, Germany
Thomas Ruebsamen, Furtwangen University, Germany
Tina Karbe, Furtwangen University, Germany
Martin Knahl, Furtwangen University, Germany
Christoph Reich, Furtwangen University, Germany
Nathan Clarke, Plymouth University, United Kingdom

pages: 17 - 26

Effect of radio wave obstruction by obstacles on performance of IEEE 802.16j wireless multi-hop relay networks

Go Hasegawa, Osaka University, Japan
Yuuki Ise, Osaka University, Japan
Yoshiaki Taniguchi, Osaka University, Japan
Hirotaka Nakano, Osaka University, Japan

pages: 27 - 36

An Algorithm for Variability Identification by Selective Targeting

Anilloy Frank, Graz University of Technology, Austria
Eugen Brenner, Graz University of Technology, Austria

pages: 37 - 50

Adaptive Fractal-like Network Structure for Efficient Search of Targets at Unknown Positions and for Cooperative Routing

Yukio Hayashi, Japan Advanced Institute of Science and Technology, Japan
Takayuki Komaki, Japan Advanced Institute of Science and Technology, Japan

pages: 51 - 67

Generic Middleware for User-friendly Control Systems in Home and Building Automation

Armin Veichtlbauer, Salzburg University of Applied Sciences, Austria
Thomas Pfeiffenberger, Salzburg Research Forschungsgesellschaft, Austria

pages: 68 - 79

A Study of the Performance of Cooperative Caching in Static Ad Hoc Networks

Francisco Javier González-Cañete, University of Malaga, Spain
Eduardo Casilari, University of Malaga, Spain

pages: 80 - 94

Optimized Resource Management using Linear Programming in Integrated Heterogeneous Networks

Umar Toseef, Institute of Communication Networks, Hamburg University of Technology, Hamburg, Germany
Yasir Zaki, Computer Science Department, New York University, Abu Dhabi, UAE
Andreas Timm-Giel, Institute of Communication Networks, Hamburg University of Technology, Hamburg, Germany
Carmelita Görg, TZI ComNets, University of Bremen, Bremen, Germany

pages: 95 - 107

Statistical and Simulation Analysis of Photonic Packet Switching Networks - The Emerging Functions Concept

Antonio C. Sachs, University of São Paulo, Brazil

Ricardo L. A. Rocha, University of São Paulo, Brazil

Fernando F. Redigolo, University of São Paulo, Brazil

Tereza C. M. B. Carvalho, University of São Paulo, Brazil

pages: 108 - 117

Detecting Pedestrian Flows on a Mobile Ad Hoc Network and Issues with Trends and Feasible Applications

Ryo Nishide, Ritsumeikan University, Japan

Hideyuki Takada, Ritsumeikan University, Japan