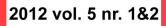
International Journal on

Advances in Internet Technology





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. (2012)

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 - 10

An XDI-Based Approach to Represent and Exchange Data Between Federated Clouds

Antonio Celesti, University of Messina, Italy Francesco Tusa, University of Messina, Italy Massimo Villari, University of Messina, Italy Antonio Puliafito, University of Messina, Italy

pages 11 - 25

Virtual Connections in P2P Overlays with DHT-Based Name to Address Resolution

Telesphore Tiendrebeogo, University of Bordeaux, France Daouda Ahmat, University of Bordeaux, France Damien Magoni, University of Bordeaux, France Oumarou Sié, University of Ouagadougou, Burkina Faso

pages 26 - 33

Quality Analysis of a Chaotic Proven Keyed Hash Function

Jacques M. Bahi, FEMTO-ST Institute, UMR 6174 CNRS, Computer Science Laboratory DISC, University of Franche-Comté, France Jean-François Couchot, FEMTO-ST Institute, UMR 6174 CNRS, Computer Science Laboratory DISC, University of

Franche-Comté, France Christophe Guyeux, FEMTO-ST Institute, UMR 6174 CNRS, Computer Science Laboratory DISC, University of Franche-Comté, France

pages 34 - 43

A Reference Model for Improving an Inter-Organizational IT Management Tool

Mark Yampolskiy, Vanderbilt University, USA Silvia Knittl, msg systems ag, Germany Feng Liu, Leibniz Supercomputing Centre (LRZ), Germany

pages 44 - 53

Introducing openBOXware for Android: The Convergence between Mobile Devices and Set-Top Boxes Lorenz Klopfenstein, STI-DiSBeF - University of Urbino, Italy Saverio Delpriori, STI-DiSBeF - University of Urbino, Italy Gioele Luchetti, STI-DiSBeF - University of Urbino, Italy Andrea Seraghiti, STI-DiSBeF - University of Urbino, Italy Emanuele Lattanzi, STI-DiSBeF - University of Urbino, Italy Alessandro Bogliolo, STI-DiSBeF - University of Urbino, Italy

pages 54 - 64

Enhanced QoS and QoE Support in UMTS Cellular Architectures Based on Application Requirements and Core Network Capabilities: An Autonomic Resource Management Perspective

Emanuel Puschita, Technical University of Cluj-Napoca, Romania Andra Elena Iulia Pastrav, Technical University of Cluj-Napoca, Romania Cristian Androne, Technical University of Cluj-Napoca, Romania Alexandru Caruntu, Nokia Romania SRL, Romania Tudor Palade, Technical University of Cluj-Napoca, Romania