INTERNET 2014

The Sixth International Conference on Evolving Internet

June 22 - 26, 2014

Seville, Spain

INTERNET 2014 Editors

Eugen Borcoci, University “Politehnica” Bucharest, Romania

Dirceu Cavendish, Kyushu Institute of Technology, Japan

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© (2014) by International Academy, Research, and Industry Association (IARIA)
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2014)

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

TABLE OF CONTENTS

A New Approach to Anomaly Detection based on Possibility Distributions 1
J. Ndong
Quality of Service Assurance in Multi-domain Content-Aware Networks for Multimedia Applications 9
M. Vochin, E. Boroci, S. Obreja, C. Cernat, R. Badea, V. Poenaru
Edge-to-Edge Achieved Transfer Throughput Inference Using Link Utilization Counts 15
D. Antoniades, C. Dovrolis
Slow Start TCP Improvements for Video Streaming Applications 22
G. Watanabe, K. Kumazoe, D. Cavendish, D. Nobayashi, T. Ikenaga, Y. Oie
Purpose-bound Certificate Enrollment in Automation Environments 28
R. Falk, S. Fries
An Efficient Search Scheme Based on Perfect Difference Graph for P2P Networks 34
C. Wang, Y. Chen
Investigation of Inadequate Users in a Q&A Site Who Use Two or More Accounts for Submitting Questions and Manipulating Evaluations 40
H. Matsumoto, Y. Watanabe, R. Nishimura, Y. Okada, S. Yamanaka
Design of Auto-Tuning PID Controller Methods Based on Genetic Algorithms for LR-PONs 46
T. Jimenez, N. Merayo, J. Aguado, R. Duran, I. Miguel, P. Fernandez, R. Lorenzo, E. Abril
Author Index