

ICNS 2018

The Fourteenth International Conference on Networking and Services

May 20 - 24, 2018

Nice, France

ICNS 2018 Editors

Kevin Daimi, University of Detroit Mercy, USA Eugen Borcoci, University "Politehnica" of Bucharest (UPB), Romania 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© (423:) by International Academy, Research, and Industry Association (IARIA) Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (423:)

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: 845-758-2633 Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

Performance Analysis of a Full Duplex MAC Protocol with Binary Exponential Backoff Sammy Chan	1
DDoS Attacks as an Important Network Phenomenon Ilija Basicevic, Stanislav Ocovaj, and Miroslav Popovic	7
Social-Aware Peer Discovery for Small Cell Based Device-to-Device Communication Aamir Nadeem and Ho-Shin Cho	13
Telco-Carrier Grade Evaluation of 5G SDN/NFV-enabled Policy Control Concepts Michael Maruschke, Jan Kasimir, and Manuel Keipert	15
Towards a Composition of Region-Adherent Systems Dilshod Rahmatov, Oliver Theel, and Manuel Gieseking	21
POMDP Based Throughput Maximization Scheme For Wireless Powered Cognitive Radio Network Van Hiep Vu and Insoo Koo	27
Scalable Messaging for Java-based Cloud Applications Kevin Beineke, Stefan Nothaas, and Michael Schoettner	32
Bandwidth Scheduling for Maximizing Resource Utilization in Software-Defined Networks Poonam Dharam	42