

ICNS 2019

The Fifteenth International Conference on Networking and Services

June 2 - 6, 2019

Athens, Greece

ICNS 2019 Editors

Kiran Makhijani, Futurewei Technologies, USA

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

Printed by Curran Associates, Inc. (xxxx)

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

Application of Human Profiling by Agent for Activating Human Communication Masafumi Katoh, Junichi Suga, Yuji Kojima, and Masaaki Kawai	1
Using Big Packet Protocol Framework to Support Low Latency based Large Scale Networks Kiran Makhijani, Renwei Li, and Hesham El Boukary	9
Software Defined Managed Hybrid IoT as a Service Peter Edge, Zara Davar, and Zhongwei Zhang	17
Optimal Energy Price-Aware Resource Allocation Scheme for Scheduled Lightpath Demands Karan Neginhal, Saja Al Mamoori, and Arunita Jaekel	21
Least Loaded Sharing in Fog Computing Cluster Sammy Chan	27
A Scalable Architecture for Network Traffic Forensics Viliam Letavay, Jan Pluskal, and Ondrej Rysavy	32
Network Diagnostics Using Passive Network Monitoring and Packet Analysis Martin Holkovic and Ondrej Rysavy	37