



# **AICT 2020**

The Sixteenth Advanced International Conference on Telecommunications

September 27<sup>th</sup> – October 1<sup>st</sup>, 2020

## **AICT 2020 Editors**

Mayank Maheshwari, Hughes Systique Corporation, India

Horia Stefanescu, Orange Romania SA, 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© (2020) by International Academy, Research, and Industry Association (IARIA)  
Please refer to the Copyright Information page.

Printed with permission by Curran Associates, Inc. (2020)

International Academy, Research, and Industry Association (IARIA)  
412 Derby Way  
Wilmington, DE 19810

Phone: (408) 893-6407  
Fax: (408) 527-6351

[petre@iaria.org](mailto: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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

## Table of Contents

Wi-Fi Device Localization in an Indoor Environment Using Graph Mapping <i>Abheek Saha and Mayank Maheshwari</i>	1
Charms and Virtual Network Functions Primitives Experiments using Open Source MANO Framework <i>Ciobanu Andra, Contu Cosmin, and Borcoci Eugen</i>	8
5G Programmable Infrastructure Orchestration Using ONAP <i>Horia Stefanescu, Marius Iordache, Bogdan Rusti, Catalin Brezeanu, Jean Ghenta, Michal Chabiera, Lukasz Rajewski, and Grzegorz Panek</i>	13