



EMERGING 2019

The Eleventh International Conference on Emerging Networks and Systems
Intelligence

September 22 - 26, 2019

Porto, Portugal

EMERGING 2019 Editors

Jaime Lloret Mauri, Polytechnic University of Valencia, Spain

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© (2019) 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

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

An RSU Placement Framework for V2I Scenarios <i>Baris Kara and Atay Ozgovde</i>	1
Dynamic Path Discovery for In-band Control Plane Communication in a Tactical SDN Network <i>Anders Fongen</i>	9
Semi-Automated Footwear Print Retrieval Using Hierarchical Features <i>Tim vor der Bruck and Thomas Stadelmann</i>	16
The Use of E- Portfolio to Develop Student's Self-reflection in Pre-school - The case of a Private Saida (Lebanon) High School <i>Rouaa Chahine and Hassan M. Khachfe</i>	23
Vibration Analysis with Application in Predictive Maintenance of Rolling Element Bearings <i>Theodor D. Popescu, Dorel Aiordachioaie, and Anisia Culea-Florescu</i>	28
A Method of Feature Extraction from Time-Frequency Images of Vibration Signals in Faulty Bearings for Classification Purposes <i>Dorel Aiordachioaie, Theodor Popescu, and Bogdan Dumitrascu</i>	34
Fault Detection using NLMS Adaptive Filtering for a Wastewater Treatment Process <i>Mihaela Miron, Anisia Culea-Florescu, and Mihai Culea</i>	40
A Battery Charging Smart System Using a Power Management Algorithm and Adaptive Impedance <i>Nicutor Nistor, Laurentiu Baicu, and Bogdan Dumitrascu</i>	46