



# **ACCSE 2016**

The First International Conference on Advances in Computation, Communications  
and Services

May 22 - 26, 2016

Valencia, Spain

## **ACCSE 2016 Editors**

Sofiane Hamrioui, University of Haute Alsace, France  
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© (2016) by International Academy, Research, and Industry Association (IARIA)  
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2016)

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

## **ACCSE 1: COMPUTATION, COMMUNICATIONS AND SERVICES**

<b>COLLABORATION WEB - SOCIAL COMPUTING TECHNOLOGY FOR EMERGENCY DATA INTEROPERABILITY</b> .....	1
<i>Aurel Machalek, Dominic Dunlop</i>	
<b>TOWARDS DRONE-ASSISTED LARGE-SCALE DISASTER RESPONSE AND RECOVERY</b> .....	5
<i>Michael Spranger, Florian Heinke, Sven Becker, Dirk Labudde</i>	
<b>IN-VEHICLE INTERFACE ASSESSMENT FRAMEWORK FOR EMERGING TECHNOLOGIES: A CASE STUDY FOR EVALUATING NEW DRIVER-VEHICLE INTERACTION DESIGN</b> .....	11
<i>Myoungouk Park, Bawul Kim, Joonwoo Son</i>	

## **ACCSE 2: EVALUATION**

<b>REAL-TIME DETECTION AND CLASSIFICATION OF DRIVER DISTRACTION USING LATERAL CONTROL PERFORMANCE</b> .....	13
<i>Joonwoo Son, Myoungouk Park</i>	
<b>EVOLUTION OF AUTOMATED REGRESSION TESTING OF SOFTWARE SYSTEMS THROUGH THE GRAPHICAL USER INTERFACE</b> .....	16
<i>Pekka Aho, Emil Alégroth, Rafael Oliveira, Tanja Vos</i>	
<b>Author Index</b>	