

ICIW 2019

The Fourteenth International Conference on Internet and Web Applications and Services

July 28 – August 2, 2019

Nice, France

ICIW 2019 Editors

Pascal Lorenz, University of Haute-Alsace, France

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 y ky 'r gto kuukqp'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

Model-Driven Engineering of Fault Tolerant Microservices Elena Troubitsyna	1
Facial Recognition and Emotion Detection System for Dynamic Advertisement Allocation Frank Yeong-Sung Lin, Evana Szu-Han Fang, and Chiu-Han Hsiao	7
Applying a Shared Decision Making Platform to Improve I-131 Patients Medical Care Quality <i>Jui Jen Chen and Yu-Ting Lai</i>	13
Collaborative Filtering Based Recommender System Design For E-Commerce: A Case Study Merve Artukarslan and S. Emre Alptekin	21
Implementing Artificial Neural Network to Identify Influencers for Crowdfunding Campaigns on Twitter Frank Yeong-Sung Lin, Evana Szu-Han Fang, Chiu-Han Hsiao, and Hsin-Hong Lin	27
An Eye Tracking Study of the Visual Behavior of Children in Social Interaction Emad Bataienh and Basel Almourad	36
MO2MD: Message-Oriented Middleware for Dynamic Management of IoT Devices Imen Ben Ida, Takoua Abdellatif, and Abderrazek Jemai	45
Microservices for Multimobility in a Smart City Cristian Lai, Francesco Boi, Alberto Buschettu, and Renato Caboni	50
Semantic-based Linked Data Management Platform Yongju Lee, Hyunseung Seok, and Seonghyeon Nam	52