

2018 13th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP 2018)

**Zaragoza, Spain
6-7 September 2018**



**IEEE Catalog Number: CFP1811B-POD
ISBN: 978-1-5386-8226-5**

**Copyright © 2018 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP1811B-POD
ISBN (Print-On-Demand):	978-1-5386-8226-5
ISBN (Online):	978-1-5386-8225-8

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
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

Preface	VII
Message from the Local Organizers	IX
SMAP Steering Committee	XI
SMAP initiative and character	XIII
Organization of SMAP 2018	XV
SMAP 2018 Programme Committee	XVII
SMAP 2018 Sponsors and Partners	XIX
Keynotes	XXI
Main Track	XXVII
Improving Social Vote Recommendation in VAAs: The Effects of Political Profile Augmentation and Classification Method	1
<i>Constantinos Djouvas, Antri Antoniou and Nicolas Tsapatsoulis</i>	
The Effect of Social Media Trending Topics Related to Cultural Venues' Content	7
<i>Vassilis Pouloupoulos, Costas Vassilakis, Manolis Wallace, Angela Antoniou and George Lepouras</i>	
Building an Urban Theft Map by Analyzing Newspaper Crime Reports	13
<i>Laura Po and Federica Rollo</i>	
Sequence Mining within Formal Concept Analysis for Analyzing Visitor Trajectories	19
<i>Nyoman Juniarta, Miguel Couceiro, Amedeo Napoli and Chedy Raïssi</i>	
¡Chévere! Text-Based Twitter Patterns from Venezuelan Food Shortages	25
<i>Laura H. Kahn</i>	
Speech Emotion Recognition Adapted to Multimodal Semantic Repositories	31
<i>Nikolaos Vryzas, Lazaros Vrysis, Rigas Kotsakis and Charalampos Dimoulas</i>	
Arm Gesture Recognition using a Convolutional Neural Network	37
<i>Eirini Mathe, Alexandros Mitsou, Evaggelos Spyrou and Phivos Mylonas</i>	
Deep Guessing: Generating Meaningful Personalized Quizzes on Historical Topics by Introducing Wikicategories in Doc2Vec	43
<i>Borja Varela-Brea, Martín López-Nores, Yolanda Blanco-Fernández, José Juan Pazos-Arias, Alberto Gil-Solla and Manuel Ramos-Cabrer</i>	

Towards Automated Web Navigation and Search Skill Assessment: An Eye-tracking Study on the Skill Differences	49
<i>Jakub Kubanyi, Patrik Hlavac, Jakub Simko and Maria Bielikova</i>	
On the Evaluation of Coarse Grained Parallelism in AV1 Video Coding	55
<i>Panos K. Papadopoulos, Maria G. Koziri, Nikos Tziritas, Thanasis Loukopoulos, Ioannis Anagnostopoulos, Petr Šaloun and David Andrešić</i>	
Topic Modelling on Instagram Hashtags: An Alternative Way to Automatic Image Annotation?	61
<i>Argyris Argyrou, Stamatios Giannoulakis and Nicolas Tsapatsoulis</i>	
Proactive Mobile CARS in Action: A First Step Towards Making Sense of Context Rules	69
<i>Ramón Hermoso, Sergio Ilarri and Raquel Trillo-Lado</i>	
Personalisation in Cyber Physical and Social Systems: The Case of Recommendations in Cultural Heritage Spaces	75
<i>Yannick Naudet, Bereket Abera Yilma and Hervé Panetto</i>	
Ontology-based Context-aware Recommendation Approach For Dynamic Situations Enrichment	81
<i>Abderrahim Lakehal, Adel Alti, Sébastien Laborie and Philippe Roose</i>	
Towards the Implementation of a Push-Based Recommendation Architecture	87
<i>Sergio Ilarri and Manuel Herrero</i>	
Semantic Modeling for Personalized Dietary Recommendation	93
<i>Andreas Arens-Volland, Benjamin Gateau and Yannick Naudet</i>	
Computing Query Sets for Better Exploring Raw Data Collections	99
<i>Genoveva Vargas-Solar, José-Luis Zechinelli-Martini and Javier-Alfonso Espinosa-Oviedo</i>	
Special Session: Navigation and Understanding of Big Linked Data	105
A Unified Semantic Sports Concepts Classification as a Key Device for Multidimensional Sports Analysis	107
<i>Panagiotis-Marios Filippidis, Charalampos Dimoulas, Charalampos Bratsas and Andreas Veglis</i>	
Developing a Scientific Knowledge Graph Through Conceptual Linking of Academic Classi- fications	113
<i>Charalampos Bratsas, Panagiotis-Marios Filippidis, Sotirios Karampatakis and Lazaros Ioannidis</i>	
Author Index	119