

# 18<sup>th</sup> International Conference on WWW/Internet (ICWI)

2019

Cagliari, Italy

## CONFERENCE PROGRAM

**Thursday 7<sup>th</sup>, November 2019**

**08:15-19:40 Welcome Desk** (closes for lunch - 13:10 to 14:20)

**09:30-09:50 Session O – Opening Session**

**(Room: Aula Magna)**

**OPENING SESSION**

*Profs. Hans Weghorn, Dirk Ifenthaler, Maria Pietronilla Penna and Maria Lidia Mascia*

**10:00-11:00 Session KL1 – Keynote Presentation**

**(Room: Room L)**

**“FORGET ABOUT THE BILL: IOT-BASED SOLUTIONS TOWARDS THE NET ZERO ENERGY BUILDING”**

*Dr. Virginia Pilloni, Department of Electrical and Electronic Engineering, University of Cagliari, Italy*

**11:00-11:30 Coffee Break**

**11:30-12:30 Session FSP 7.1**

**Human Computer Interaction and Usability**

**(Room: L)**

**Chair: Claudia Steinberger**

**YOU’VE BEEN FRAMED! STUDYING PEOPLE CHOOSING OPTIONS (F018)**

*Mairéad Hogan and Chris Barry*

**BROWSERLESS WEB AUTOMATION FOR BLIND USERS (S064)**

*Ruslan R. Fayzrakhmanov and Andrey Kravchenko*

**INTERACTIVE AUDIO-TEXT GUIDE FOR MUSEUM ACCESSIBILITY (P042)**

*Gavino Paddeu, Andrea Devola, Andrea Ferrero and Antonio Pintori*

**13:10-14:20 Lunch Break**

**14:30-15:40 Session FSP 7.2**

**Applications and Uses**

**(Room: L)**

**Chair: Andreas Both**

**B4HEALTH – AN ARCHITECTURE MODEL FOR PERSONAL HEALTH RECORDS WITH HL7 FHIR AND HYPERLEDGER FABRIC (F066)**

*Victor Giovanella Garcia, Alex Roehrs, Cristiano André da Costa, Rodrigo da Rosa Righi, André Henrique Mayer, Rodolfo Stoffel Antunes and Eduardo Souza dos Reis*

**IMPLEMENTATION OF A WEB-BASED AUDIENCE RESPONSE SYSTEM AS MICROSERVICE APPLICATION VS. MONOLITHIC APPLICATION (F015)**

*Iris Braun, Manuel Hoffmann and Robert Mörseburg*

**AN OPINION MINING MODEL BASED ON USER PREFERENCES (P040)**

*Manuela Angioni, Andrea Devola, Mario Locci and Franco Tuveri*

**16:30-17:00 Coffee Break**

**17:00-18:00 Session FP 7.3**  
**Services, Architectures and Web Development**  
**(Room: L)**  
**Chair: Iris Braun**

**ARCHITECTURES FOR DELIVERING PROACTIVE NETWORK SERVICES IN DIVERSE BUSINESS ENVIRONMENTS (F045)**  
*Don Allen*  
**THE APPLICATION OF RECOMMENDER SYSTEMS TO DATA-DRIVEN DIGITAL MEMORY (F082)**  
*Tingyu Luo and Miguel Baptista Nunes*

## Friday 8<sup>th</sup>, November 2019

**08:15-15:45 Welcome Desk** (closes for lunch - 13:00 to 14:10)

**08:50-09:50 Session KL2 – Keynote Presentation**  
**(Room: L)**

**MONITORING PEOPLE MOBILITY IN SMART CITIES: APPLICATIONS AND TECHNOLOGIES**  
*Professor Luigi Atzori, Multimedia & Communication Lab (MC Lab) Head, University of Cagliari, Italy*

**10:00-11:00 Session FSP 8.1 (Part I)**  
**Social Networks // Collaborative Systems // Other**  
**(Room: L)**

**Chair: Claudia Steinberger**

**LOYALTY PROGRAMS IN TOURISM – HOW INFLUENCERS AND COMMUNITIES CHANGE WORD-OF-MOUTH MARKETING (F056)**  
*Jacqueline Fäs and Darius Zumstein*  
**TWTRENDS: THE TOPIC-GRAPH EXTRACTION FROM TWITTER TRENDS (F054)**  
*Jun Iio*

**11:00-11:30 Coffee Break**

**11:30-12:50 Session FSP 8.1 (Part II)**  
**Social Networks // Collaborative Systems // Other**  
**(Room: L)**

**Chair: Claudia Steinberger**

**ON THE EXPLOITATION OF COLLABORATIVE ARGUMENTATION STRUCTURES FOR INDUCING REASONING BEHAVIOR (F020)**  
*Nikos Karacapilidis and Vassilis Tampakas*  
**THE CHALLENGES OF DESIGNING THE INTERACTION DESIGN OF A COLLABORATIVE ART PROJECT (F046)**  
*Jasmina Maric*  
**NO AD BLOCKERS FOR OLD MEN? DEMOGRAPHIC EVIDENCE FOR AD BLOCKER USAGE FROM GERMANY (S032)**  
*Valerio Stallone*

**13:00-14:10 Lunch Break**

**14:20-15:30 Session FSP 8.2**  
**Services, Architectures and Web Development**  
**(Room: L)**  
**Chair: Don Allen**

**GAMIFICATION STUDY: REVIEW AND RETRIEVAL (S068)**  
*Olga Kononova and Dmitry Prokudin*  
**SOCIOCULTURAL URBAN SPACE IN E-SOCIETY (S070)**  
*Olga Kononova, Dmitry Prokudin, Vitalina Karachay*  
**DECENTRALIZING PRODUCTS CERTIFICATES USING BLOCKCHAIN TECHNOLOGY (F074)**  
*Eduard Daoud and Martin Gaedke*  
**DO NOT HATE THE PLAYERS THE DIGITAL ADVERTISING ECOSYSTEM AND ITS ACTORS (S037)**  
*Valerio Stallone*

**14:30-15:20 Session FSP 8.3**  
**Applications of Semantic Web**  
**(Room: I)**  
**Chair: Mairead Hogan**

<p><b>WHY AND HOW TO CAPTURE THE SEMANTICS OF WEB USER INTERFACES (F021)</b> <i>Claudia Steinberger and Joachim Frießer</i></p> <p><b>ONTOLOGY-DRIVEN SERVICE INTEGRATION INTO WEB APPLICATIONS: A DECLARATIVE APPROACH (S080)</b> <i>Andreas Both, Didier Cherix and Michael Martin</i></p>
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**15:45 – Social Event - Conference Tour and Dinner**

## **Saturday 9<sup>th</sup>, November 2019**

**08:10-13:15 Welcome Desk**

**09:50-11:00 Session FSP 9.1**  
**Web Security and Privacy**  
**(Room: 9A)**  
**Chair: Miguel Baptista Nunes**

<p><b>UNIVERSITY PROCESS OPTIMISATION THROUGH SMART CURRICULUM DESIGN AND BLOCKCHAIN-BASED STUDENT ACCREDITATION (F063)</b> <i>Christos Kontzinos, Ourania Markaki, Panagiotis Kokkinakos, Vagelis Karakolis, Stavros Skalidakis and John Psarras</i></p> <p><b>BEING WATCHED BY TV: SURVEILLANCE AT HOME (S025)</b> <i>Ananda Mitra</i></p> <p><b>PRIVACY IN BRAZIL: ANALYSIS ON THE NEW LAW ON DATA PROTECTION (S031)</b> <i>Eduardo Helfer de Farias and Gabriel Rached</i></p>
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**11:00-11:30 Coffee Break**

**11:30-13:00 Session FP 9.2**  
**Services, Architectures and Web Development // Data Mining**  
**(Room: 9A)**  
**Chair: Jun Iio**

<p><b>ANALYSING EGOVERNMENT RESEARCH: CURRENT AREAS AND DIMENSIONS (F039)</b> <i>Demetrios Sarantis</i></p> <p><b>OPEN GOVERNMENT PROPOSAL FOR TRANSPARENCY AND INFORMATION ACCESS IN COSTA RICA (F061)</b> <i>Franchesca Rodriguez-Arias and Roberto Cortes-Morales</i></p> <p><b>5G EDGE NETWORK ACCELERATION FOR CROWD EVENTS (F028)</b> <i>Alexandros Kostopoulos, Ioannis P. Chochliouros, Daniele Munaretto, Claus Keuker and Ioannis Giannoulakis</i></p>
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**13:10 Best Paper Awards Ceremony and Closing Session**  
**(Room: 6A)**

<p><i>Prof. Hans Weghorn</i></p>
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