ICWE 2018
User Guide

18th International Conference on Web Engineering

Cáceres, Spain. 5 - 8 June, 2018
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Organizing committee

General Chair
JUAN HERNÁNDEZ, UNIVERSITY OF EXTREMADURA, SPAIN

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RALF KLAMMA, RWTH AACHEN UNIVERSITY, GERMANY

Proceedings Chair
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CESARE PAUTASSO, USI LUGANO, SWITZERLAND

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QING LI, CITY UNIVERSITY OF HONG KONG, CHINA

PhD Symposium Chairs
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 MARTIN GAEDKE, CHEMNITZ UNIVERSITY OF TECHNOLOGY, GERMANY
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Publicity Chair
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Web Engineering in Practice Chairs
ANTERO TAIVALSAARI, NOKIA RESEARCH CENTER, FINLAND
MAJA VUKOVIC, IBM RESEARCH

Local Organization Chair
JUAN MANUEL MURILLO, UNIVERSITY OF EXTREMADURA, SPAIN
General indications

Conference place
All sessions and activities will be held in the San Francisco Cultural Complex of the Cáceres County Council. It is an old monastery located near the monumental center of the city of Cáceres.

Registration desk
Place: San Francisco Cultural Complex (1st floor).
Schedule: Tuesday and Wednesday from 8:30 to 12:30.
   Office service: daily: 9:00 to 12:30 and 14:00 to 17:30.

Lunches
Daily lunches will be hosted at “B-Nomio” restaurant which is TripAdvisor’s choice number 1 in Cáceres. The restaurant is ten minutes walk from the Conference venue.
(*) Tickets will be distributed with the Conference bag
Situational maps

Conference place and lunches
Social events meeting points
Conference information

Dear participant, we would like to welcome you to the 18th edition of the International Conference on Web Engineering (ICWE 2018) hosted by University of Extremadura, Cáceres, Spain.

Cáceres is a Spanish city situated in a strategic position just in the middle between Madrid and Lisbon. It stands out for its mixture of culture, history and nature. Every corner of Cáceres transmits a calm, friendly and relaxing atmosphere. Conference delegates will be able to enjoy each of these corners while they walk to the conference venue or in their leisure time.

ICWE 2018 will be held on June 5-8 and the theme for year 2018 is **Enhancing the Web with Advanced Engineering**. The conference will cover the different aspects of Web Engineering, including the design, creation, maintenance and usage of Web applications.

We would also like to express our gratitude to all the institutions and sponsors supporting the 2018 edition of ICWE.

We would also like to thank to all the researchers, practitioners and students whose active participation ensured the value of the conference. Enjoy ICWE, and enjoy Cáceres.

Juan Hernández
ICWE 2018 General Chair
Welcome

6th Wednesday (11:00-11:15). Europa room
Welcome to the 18th edition of the International Conference on Web Engineering (ICWE 2018)

Keynote

6th Wednesday (11:15-12:30). Europa room
Session Chair: Juan Hernández, University of Extremadura, Spain

Mike Papazouglu
Demystifying Smart Data & Smart Industrial-Strength Applications: Solving Problems & Creating Opportunities

This talk will focus on the role, characteristics, potential of smart data and applications for diverse domains, and their enabling technologies. To illustrate the potential of smart data and applications, the talk will draw on examples that highlight the interplay of medical and technical aspects of smart healthcare applications. Smart healthcare involves deploying computing, information, service, sensor and visualisation technologies to aid in preventing disease, improving the quality of care and lowering overall cost. The talk will also examine the design and deployment requirements, particularly for point-of-care medical applications, which emerge from the interplay of the actual clinical situation and the novelty of the smart healthcare application.
Keynote

7th Thursday (09:00-10:30). Europa room
Session Chair: Ralf Klamma, RWTH AACHEN University, Germany

Antti Peuhkurinen
Mixed Reality and Programmable World

Third computing revolution, the one after desktop computers and mobile touch screen devices, is emerging in a form of mixed reality. Mixed reality with its infinite screen and programmable world is how we might soon experience a new application paradigm. This new paradigm again reangles the development of the current technologies and will also introduce new technologies. In this presentation we will look how current technologies can be used and what new enablers are needed for this new application paradigm.

Closing

Farewell: 8th Friday, at 12:00
Closing of the Conference: 8th Friday, at 12:30
Social events

Get Together
4th Monday at 21:00. *El Mirador de Galarza* restaurant (located above the *Obispo Galarza* parking (meeting point B))
This restaurant has nice views over the medieval city of Cáceres. The *Get together party* will start at 21:00 but it will be something informal so joining between 21:00 and 22:00 would be right.

Welcome Reception
5th Tuesday at 19:30. Guided tour (meeting point at main square (“Plaza Mayor” (C)))
5th Tuesday at 21:00. *Mastropiero Terrace*
This event includes a guided tour in the monumental city of Cáceres. The visit will end at the Mastropiero Terrace where we will enjoy a reception.

Vostell Museum and Los Barruecos Natural Monument visit
6th Wednesday. Meeting point at *Obispo Galarza* parking (B) at 18:30
This event includes a guided visit in the Vostell Museum and Los Barruecos Natural Monument. The visit will end at Los Barruecos Natural Monument's restaurant.
Banquet

7th Thursday at 20:30. Arguijuela Castle (meeting point at Obispo Galarza parking (B))
The banquet will be held at Arguijuela Castle, a great place to enjoy a summer dinner.

Visit to Madrid

8th Friday at 13:30. Meeting point at Conference place (A) (with previous reservation)
Travel to Madrid that included a one-hour tourist stop at Yuste Monastery (Cuacos de Yuste).
Facilities

Wifi

Access to eduroam Wi-Fi

You can access the wireless network using your eduroam account or your University user. If you do not have it, you can use the following user:

\[
\text{User: icwe@temp.unex.es} \\
\text{Password: 2018}
\]

Configuration: https://cat.eduroam.org/?idp=91

Work room

The conference attendees will have access to a work room daily from 9:00 to 12:30 and 14:00 to 17:30, except for: Wednesday (14:00 to 17:30) and Thursday (14:00 to 15:30).

Baggage room

Participants can leave their luggage in a baggage room the last day of the Conference.
Useful information

Contact and Venue Address
San Francisco Cultural Complex
Ronda de San Francisco, 15, 10002 Cáceres (Spain)
Tel.: 927 25.55.78 Fax: 927 21.42.88  e.mail: lmgil@dip-caceres.es
Emergency numbers
Police: 091
Emergency: 112

Pharmacies
*El Rodeo:*
María Auxiliadora street, 14, 10003 Cáceres
Tel: +34 927 22 31 48

*Diego Lanchares González:*
San Ignacio street, 4, 10003 Cáceres
Tel: +34 927 24 41 23

ICWE 2018
@icwe2018
localorgchair.icwe2018@webengineering.org

Taxi service
Tel: +34 927 24 24 24
Tel: +34 927 21 21 21

Tickets
Lunch and Social events tickets will be distributed with the Conference bag, please do not forget to take the tickets with you.
## Program

### 5th June – Tuesday

<table>
<thead>
<tr>
<th>HOUR</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>8.30 - 09.00</td>
<td>Registration</td>
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<tr>
<td>09.00 - 10.30</td>
<td>Tutorial Europa Practical Design Science</td>
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<td>Workshop García Matos KDWEB 2018</td>
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<td>Workshop Miguel Hernández MATWEB 2018</td>
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<td>Workshop Malinche TourismKG 2018</td>
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<tr>
<td>10.30 - 11.00</td>
<td>Coffee break</td>
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<td>12.30 - 14.00</td>
<td>Lunch</td>
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<td>14.00 - 15.30</td>
<td>Tutorial Europa HTML5 EnWoT 2018</td>
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<td>Workshop García Matos EnWoT 2018</td>
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<tr>
<td>19.30</td>
<td>Welcome Reception. This event includes a guided tour in the monumental city of Cáceres.</td>
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<tr>
<td>20.00</td>
<td>The visit will end at the Mastropiero Terrace where we will enjoy a reception.</td>
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6th June - Wednesday

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<thead>
<tr>
<th>HOUR</th>
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<tbody>
<tr>
<td>08.30 - 09.00</td>
<td>Registration Reception room</td>
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<tr>
<td></td>
<td>Tutorial(08.45 - 09.00) Europa Interactive Web Lectures with ASQ</td>
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<tr>
<td>09.00 - 10.30</td>
<td>Registration Reception room Demo Session Malinche</td>
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<td>Tutorial Europa Interactive Web Lectures with ASQ</td>
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<td>10.30 - 11.00</td>
<td>Coffee break</td>
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<td>Welcome &amp; Keynote Mike Papazougli</td>
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<td>Demystifying Smart Data &amp; Smart Industrial-Strength Applications:</td>
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<td>Solving Problems &amp; Creating Opportunities</td>
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<td>12.30 - 14.00</td>
<td>Lunch</td>
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<tr>
<td>14.00 - 15.30</td>
<td>Session 1 Europa Engineering, Development and developer aspects of</td>
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<td>Session 2 García Matos Web and social media content and its</td>
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<td>Tutorial(14.00 – 15.00) M. Hernández Interactive Web Lectures with</td>
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<td>Tutorial(15.00 – 15.30) M. Hernández Engineering of Web Stream</td>
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<td>Processing Applications</td>
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<td>15.30 - 16.00</td>
<td>Coffee break</td>
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<td>16.00 - 17.30</td>
<td>Session 3 Europa Engineering, Development and developer aspects of</td>
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<td>Web applications II</td>
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<td>Session 4 García Matos Web and social media content and its</td>
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<td>processing II</td>
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<td></td>
<td>Tutorial Miguel Hernández Engineering of Web Stream Processing</td>
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<td></td>
<td>Applications</td>
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<tr>
<td>17.30 - 18.30</td>
<td>Vostell Museum and Los Barruecos Natural Monument visit. Cocktail</td>
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<td>at Los Barruecos Natural Monument's restaurant.</td>
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18.30
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<tr>
<td>09.00 - 10.30</td>
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<td>11.00 - 12.30</td>
<td>Session 5 Europa&lt;br&gt;Enabling and supporting Technologies I&lt;br&gt;Session 6 García Matos&lt;br&gt;Open Data&lt;br&gt;Tutorial Miguel Hernández&lt;br&gt;How to cook an Agile Web Based Model Driven Environment in a night</td>
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<td>Lunch</td>
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<td>14.00 - 15.30</td>
<td>Session 7 Europa&lt;br&gt;Enabling and supporting Technologies II&lt;br&gt;Session 8 García Matos&lt;br&gt;Semantic Web and AI&lt;br&gt;Lecture room PhD Consortium&lt;br&gt;Tutorial M. Hernández&lt;br&gt;How to cook an Agile Web Based Model Driven Environment in a night</td>
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<tr>
<td>15.30 - 16.00</td>
<td>Coffee break</td>
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<tr>
<td>16.00 - 17.30</td>
<td>Demo and PhD Bazaar&lt;br&gt;Cloisters</td>
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<tr>
<td>20.30</td>
<td><strong>ICWE 2018 Banquet (Arguijuela Castle)</strong></td>
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<tr>
<td>HOUR</td>
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<tr>
<td>09.00 - 10.30</td>
<td>Session 9 Europa Internet of Things &amp; Web of Things</td>
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<td>Session 10 Miguel Hernández Processing Data Streams</td>
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<tr>
<td>10.30 - 11.00</td>
<td>Coffee break</td>
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<tr>
<td>11.00 - 12.30</td>
<td>Panel &amp; Farewell Europa room Web Engineering: Reflecting 10 years back, and envisioning the next 10 years</td>
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<td>12.30 - 14.00</td>
<td>Lunch</td>
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<td>13.30</td>
<td>Travel to Madrid that included a one-hour tourist stop at Yuste Monastery (Trujillo)</td>
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</tbody>
</table>
Detailed program

Research Track

Research Session 1

*Engineering, Development and developer aspects of Web applications I*

6th Wednesday. 14.00 - 15.30 - Place: *Europa* room

**Session chair:** Irene Garrigos, University of Alicante, Spain

- 14.00 - Glenda Toala-Sanchez, Cristina Cachero, Santiago Meliá and Mauricio Diéguez.
  - Evaluating the impact of Web developers' personality in the intention of use of Model-Driven Engineering: an observational study
- 14.30 - Daniel Correa, Raul Mazo, Gloria Lucia Giraldo Gómez and Fernando Arango Isaza.
  - CME – a Web Application Framework Learning Technique based on Concerns, Micro-Learning and Examples
- 15.00 - Dongdong Du, Xingzhang Ren, Yupeng Wu, Jien Chen, Wei Ye, Jinan Sun, Xiangyu Xi, Qing Gao and Shikun Zhang.
  - Refining Traceability Links between Vulnerability and Software Component in A Vulnerability Knowledge Graph

Research Session 2

*Web and social media content and its processing I*

6th Wednesday. 14.00 - 15.30 - Place: *García Matos* room

**Session chair:** Martin Gaedke, Chemnitz University of Technology, Germany

- 14.00 - Gaby Budel, Lennart Hoogenboom, Wouter Kastrop, Nino Reniers and Flavius Frasincar.
  - Predicting User Flight Preferences in an Airline E-Shop
- 14.30 - Miyoung Han, Pierre-Henri Wuillemin and Pierre Senellart.
Focused Crawling through Reinforcement Learning
• 15.00 - Govind Govind, Céline Alec and Marc Spaniol.
Semantic Fingerprinting: A Novel Method for Entity-level Content Classification
• 15.15 - Guangyuan Piao and John G. Breslin.
Learning to Rank Tweets with Author-based Long Short-Term Memory Networks

Research Session 3
Engineering, Development and developer aspects of Web applications II
6th Wednesday. 16.00 - 17.30 - Place: Europa room

Session chair: Alessandro Bozzon, Delft University of Technology, The Netherlands
• 16.00 - Andreas Rau, Jenny Hotzkow and Andreas Zeller.
  Transferring Tests Across Web Applications
• 16.30 - Erik Wittern, Alan Cha and Jim Laredo.
  Generating GraphQL-Wrappers for REST(-like) APIs
• 17.00 - Sebastian Heil, Valentin Siegert and Martin Gaedke.
  ReWaMP: Rapid Web Migration Prototyping leveraging WebAssembly

Research Session 4
Web and social media content and its processing II
6th Wednesday. 16.00 - 17.30 - Place: García Matos room

Session chair: Florian Daniel, Politecnico di Milano, Italy
• 16.00 - Alejandro Cortiñas, Miguel R. Luaces and Tirso V. Rodeiro.
  A Case Study on Visualizing Large Spatial Datasets in a Web-based Map Viewer
• 16.30 - Gabriela Bosetti, Sergio Firmenich, Alejandro Fernández, Martin Wischenbart, Gustavo Rossi and Damiano Distante.
  Towards full end-users control of social recommendations
• 16.45 - Peter Kalchgruber, Wolfgang Klas, Nour Jnoub and Elaheh Momeni.
  FactCheck - Identify and Fix Conflicting Data on the Web
• 17.00 - Matthias T. Frank and Viliam Simko.
Semantic Data Stream Enrichment and Shape Constraint Validation Based on Collaboratively Created Annotations

Research Session 5

**Enabling and supporting Technologies I**

7th Thursday. 11.00 - 12.30 - Place: *Europa* room

**Session chair:** Oscar Díaz, University of the Basque Country, Spain

- 11.00 - Ben Spencer, Michael Benedikt and Pierre Senellart.
  **Form Filling based on Constraint Solving**
- 11.30 - Rucha Bapat, Pavel Kucherbaev and Alessandro Bozzon.
  **Effective Crowdsourced Generation of Training Data for Chatbots Natural Language Understanding**
- 11.45 - Juan Antonio Pereira and Óscar Díaz.
  **Chatbot dimensions that matter: lessons from the trenches**
- 12.00 - Maxim Bakaev, Sebastian Heil, Vladimir Khvorostov and Martin Gaedke.
  **HCI Vision for Automated Analysis and Mining of Web User Interfaces**

Research Session 6

**Open Data**

7th Thursday. 11.00 - 12.30 - Place: *García Matos* room

**Session chair:** Ko In-Young, Korea Advanced Institute of Sciences and Technology, South Korea

- 11.00 - Fathoni Arief Musyaffa, Lavdim Halilaj, Yakun Li, Orlandi Fabrizio, Hajira Jabeen and Sören Auer.
  **OpenBudgets.eu: A Platform for Semantically Representing and Analyzing Open Fiscal Data**
- 11.30 - Nasredine Cheniki, Yacine Sam, Nizar Messai and Abdelkader Belkhir.
  **Context-aware and Linked Open data based service discovery**
- 12.00 - Rudolf Eckelberg, Vytor Bezerra Calixto, Marina Pimentel, Marcos Didonet Del Fabro, Marcos Sunyé, Leticia M. Peres, Eduardo Todt, Thiago Alves, Adriana Dragone and Gabriela Schneider.
  **Educational Open Government Data: from requirements to end users**

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Research Session 7

**Enabling and supporting Technologies II**

7th Thursday. 14.00 - 15.30 - Place: *Europa* room

**Session chair:** John Erik Wittern, IBM T.J. Watson Research Center, USA

- 14.00 - Andrea Gallidabino and Cesare Pautasso.
  - **Decentralized Computation Offloading on the Edge with Liquid WebWorkers**
- 14.30 - José Matías Rivero, Mario Matías Uribeta, Sergio Firmenich, Mauricio Witkin, Ramón Serrano, Viviana Elizabeth Cajas and Gustavo Rossi.
  - **Improving Legacy Applications with Client-side Augmentations**
- 15.00 - Noé Domínguez-Porras and In-Young Ko.
  - **Mashup Recommendation for Trigger Action Programming**
- 15.15 - Wesley Siqueira and Laercio Augusto Baldochi.
  - **Leveraging Analysis of User Behavior from Web Usage Extraction over DOM-tree Structure**

Research Session 8

**Semantic Web and AI**

7th Thursday. 14.00 - 15.30 - Place: *García Matos* room

**Session chair:** Carlos Canal, University of Málaga, Spain

- 14.00 - Abdullah Abbas, Pierre Genevès, Cécile Roisin and Nabil Layaïda.
  - **Selectivity Estimation for SPARQL Triple Patterns with Shape Expre**
- 14.30 - Claus Stadler, Muhammad Saleem and Jens Lehmann.
  - **Efficiently pinpointing SPARQL query containments**
- 15.00 - Fred C. Santos, Umberto S. Costa and Martin A. Musicante.
  - **A Bottom-Up Algorithm for Answering Context-Free Path Queries in Graph Databases**
- 15.15 - André Langer and Martin Gaedke.
  - **DaQAR - An ontology for the uniform exchange of comparable Linked Data Quality Assessment Requirements**
Research Session 9

**Internet of Things & Web of Things**

8th Friday. 09.00 - 10.30 - Place: *Europa* room

**Session chair:** Flavius Frasincar, Erasmus University Rotterdam, The Netherlands

- 09.00 - Ana Cristina Franco Da Silva, Pascal Hirmer, Uwe Breitenbücher, Oliver Kopp and Bernhard Mitschang.
  **TDLIoT: A Topic Description Language for the Internet of Things**

  **Managing Uncertain Complex Events in Web of Things Applications**

- 09.45 - Mahda Noura, Sebastian Heil and Martin Gaedke.
  **GrOWTH: Goal-Oriented End User Development for Web of Things Devices**

- 10.00 - Kyeongdeok Baek and In-Young Ko.
  **Spatio-cohesive Service Selection Using Machine Learning in Dynamic IoT Environments**

- 10.15 - Vito Bellini, Tommaso Di Noia, Marina Mongiello, Francesco Nocera, Angelo Parchitelli and Eugenio Di Sciascio.
  **Reflective Internet of Things Middleware-enabled a predictive real-time Waste Monitoring System**

Research Session 10

**Processing Data Streams**

8th Friday. 09.00 - 10.30 - Place: *Miguel Hernández* room

**Session chair:** Cesare Pautasso, USI Lugano, Switzerland

- 09.00 - Shen Gao, Daniele Dell'Aglio, Jeff Z. Pan and Abraham Bernstein.
  **Distributed Stream Consistency Checking**

- 09.30 - István Koren and Ralf Klamma.
  **Peer-to-Peer Video Streaming in HTML5 with WebTorrent**

- 10.00 - Mario Gonzalez-Jimenez and Juan De Lara.
  **Datalyzer: Streaming data applications made easy**
Tutorials

Tutorial 1

**Practical Design Science**
5th Tuesday. 09.00-10.30 and 11.00-12.30 - Place: Europa room
Oscar Díaz, University of the Basque Country, Spain

Tutorial 2

**HTML5**
5th Tuesday. 14.00-15.30 and 16.00-17.30 - Place: Europa room
Félix Alberto Marcos, University of Castilla La Mancha, Spain

Tutorial 3

**Interactive Web Lectures with ASQ**
6th Wednesday. 08.45-10.30 (place: Europa room) and 14:00-15:00 (place: Miguel Hernández room)
Vassillis Triglianios, University of Lugano, Switzerland
Cesare Pautasso, University of Lugano, Switzerland

Tutorial 4

**Engineering of Web Stream Processing Applications**
6th Wednesday. 15.00-15.30 and 16.00-18.30 - Place: Miguel Hernández room
Emanuele Della Valle, Politecnico Di Milano, Italy
Andrea Mauri, Politecnico Di Milano, Italy
Riccardo Tommasini, Politecnico Di Milano, Italy
Marco Balduini, Politecnico Di Milano, Italy
Tutorial 5

*How to Cook an Agile Web Based Model Driven Environment in a Night*

7th Thursday. 11.00-12.30 and 14.00-15.30 - Place: *Miguel Hernández* room

Carlo Bernaschini, Politecnico Di Milano, Italy
Workshops

**MATWEP 2018**

*1st International Workshop on Maturity of Web Engineering Practices*

5th Tuesday. 09.00-10.30 and 11.00-12.30. Place: Miguel Hernández room

Organizers: Francisco José Domínguez Mayo, Nora Koch, José González Enríquez, Esteban Morillo Baro

**EnWoT 2018**

*2nd International Workshop on Engineering the Web of Things*

5th Tuesday. 14.00-15.30 and 16.00-17.30. Place: García Matos room

Organizers: Marina Mongiello, Niko Mákitalo, Francesco Nocera, Diego Perez-Palacin

**KDWEB 2018**

*KDWEB 2018: 4th International Workshop on Knowledge Discovery on the Web*

5th Tuesday. 09.00-10.30 and 11.00-12.30. Place: García Matos room

Organizers: Giuliano Armano, Matteo Cristani, Alessandro Giuliani, Álvaro Rubio-Largo

**WEOD**

*International Workshop on Engineering Open Data*

5th Tuesday. 14.00-15.30 and 16.00-17.30. Place: Miguel Hernández room

Organizers: Roberto Rodríguez-Echeverria, Javier Luis Canovas Izquierdo
TourismKG 2018
1st International Workshop on Knowledge Graphs on Travel and Tourism
5th Tuesday. 09.00-10.30, 11.00-12.30, 14.00-15.30 and 16.00-17.30.
Place: Malinche room
Organizers: Mariano Rico, Nandana Mihindukulasooriya, Freddy Priyatna

Demos

6th Wednesday. 09.00-10.30. Place: Malinche room

• 09.00 - Hamza Ed-Douibi, Javier Luis Canovas Izquierdo and Jordi Cabot.
  OpenAPItoUML: A tool to generate UML models from OpenAPI definitions
• 09.15 - Govind Govind, Céline Alec and Marc Spaniol.
  ELEVATE-live: Assessment and Visualization of Online News Virality via Entity-level Analytics
• 09.30 - István Koren and Ralf Klamma.
  Generation of Web Frontends from API Documentation with Direwolf Interaction Flow Designer
• 09.45 - Patient Ntumba, Georgios Bouloukakis and Nikolaos Georgantas.
  Interconnecting and Monitoring Heterogeneous Things in IoT Applications
• 10.00 - Emanuele Falzone and Carlo Bernaschina.
  Model Based Rapid Prototyping and Evolution of Web Application
• 10.15 - Bahareh Zarei Mohammadzadeh, Sebastian Heil and Martin Gaedke.
  Natural-Language-Enabled End-User Tool Endowed with Ontology-based Development
PhD Consortium

7th Thursday. 14.00-15.30. Place: Lecture room

Session chair: Oscar Díaz, University of the Basque Country, Spain and Martin Gaedke, Chemnitz University of Technology, Germany

- Daniel Flores-Martin, Javier Berrocal, Jose Garcia-Alonso and Juan M. Murillo.  
  Dynamic interconnection of WoT devices in Situational-Context
- César González Mora, Irene Garrigos, Jose-Norberto Mazon and José Jacobo Zubcoff.  
  API Generation for Open Data Consumption
- Andrew Judith Jeyafreeda, Stéphane Ferrari and Fabrice Maurel.  
  Tag Thunder: Towards new oral reading strategies for visually impaired people
- Marina Vito Bellini Mongiello.  
  Recommender System for News Articles

Panel

Web Engineering: Reflecting 10 years back, and envisioning the next 10 years
8th Friday. 11.00 - Place: Europa room

Chair: Tommi Mikkonen, University of Helsinki, Finland
Panelists:
Alessandro Bozzon, TU Delft, Netherlands
Ralf Klamma, RWTH Aachen, Germany
Cesare Pautasso, University of Lugano, Switzerland
Kari Systä, Tampere U of Tech, Finland
Erik Wittern, IBM, USA
18th International Conference on Web Engineering

Cáceres, Spain. 5 - 8 June, 2018