

IMCW2016:

7th International Symposium on Information Management in a Changing World,

October 10-11, 2016, Vienna, Austria

Information Management in Industry 4.0

(First Call for Papers)

Symposium web site: <http://imcw2016.bilgiyonetimi.net>

SCOPE

IMCW2016: The "7th International Symposium on Information Management in a Changing World" will take place in Vienna, Austria from October 10-11, 2016 (<http://imcw2016.bilgiyonetimi.net/>). It is organized by the Department of Information Management of **Hacettepe University** in Ankara, Turkey, and the **Austrian Computer Society** (OCG) in Vienna. IMCW2016 will be co-located with the 12th International Conference on Knowledge Management (**ICKM2016**) (<http://ickm2016.ocg.at/>).

We live in an emerging era of what is called "**Industry 4.0**", which combines cyber-physical systems, the Internet of Things (IoT) and cloud computing. Smart products and smart objects producing data and information require information systems embedded in them as well as in the infrastructure to store, compute, process and transmit information to improve decision making and process automation. Trusted information environments are needed to provide safe and secure objects, data and services so that smart objects carrying information can be identified, localized and addressed. 6C's (connection, cloud, cyber, content/context, community and customization) pertaining to big data and analytics have implications for information management in the Industry 4.0 environment. Therefore, information management is of paramount importance in the age of Industry 4.0.

MAIN THEME

"**Information Management in Industry 4.0**" being the main theme of the Symposium, IMCW2016 aims to bring together information professionals, digital archivists, data scientists, computer engineers and business people to discuss the ways in which effective information management practices dealing with large amounts of data in the Industry 4.0 Era will be implemented. As organizers, we thought this is an opportune time for IMCW2016 to review the challenges of Industry 4.0 for data centers, information organizations, digital libraries and archives in terms of networking smart resources (e.g., products, things and objects), people and databases to provide value-added services.

CONTRIBUTIONS

Contributions can be theoretical as well as technical and practical. Informative case studies are also welcome. Contributions are not limited with the main theme: all types of papers, posters and presentations on information management in general are also welcome. The audience will be information professionals, data librarians, data curators, data managers, knowledge managers, researchers, information scientists, data scientists and computer engineers, among others. We accept **extended abstracts** (no less than 750 words) for full papers; short communications, Research in Progress reports, visual presentations ("pechakuchas") and posters on all aspects of innovative and collaborative information and data management applications dealing with Industry 4.0. Extended abstracts for student papers and posters are also welcome. Extended abstracts of PhD students to present the interim findings of their ongoing research will also be considered. Please use the template available on the Symposium web site to prepare your contributions and send them to us using the Conference Management Software (openconf) by **April 11, 2016**.

We also accept proposals to organize workshops. Proposals should include a title, a short abstract, the name and contact information of the convener and be addressed to imcwconf@gmail.com by **May 16, 2016**.

We also encourage session proposals. The coordinator of a special session will be responsible for the selection of papers (4-6 papers) and will chair the session. For session coordinators, registration fee will be waived.

Accepted extended abstracts and proposals will appear in the "Book of Abstracts" to be published prior to the Symposium.

Accepted extended abstracts may be developed as full papers. A short list of papers will be selected so that the revised and extended versions of these papers and posters will appear in the proceedings book to be published by Springer under its Communications in Computer and Information Science (CCIS) series (decision pending) and the Symposium web site. Papers that appear in Springer's CCIS series are submitted by Springer for indexing to Thomson Reuter's *Conference Proceedings Citation Index* on a yearly basis.

MAIN TOPICS

Main topics of the Symposium are as follows but all types of papers, posters and presentations on information management in general are also welcome:

Information Management ecosystem in Industry 4.0
Networking resources, people, databases and services in Industry 4.0
Open science and open innovation in Industry 4.0
Value-added and customized data and information services in Industry 4.0
Data governance, security and privacy in Industry 4.0
Data science, smart analytics and service innovation in Industry 4.0
Smart objects and infrastructure with embedded information systems in Industry 4.0
The Internet of Things and Industry 4.0
The Internet of Data and Industry 4.0
The Internet of Services and Industry 4.0
The Reference Architecture Model Industry 4.0 (RAMI 4.0)
Education for Information Management in Industry 4.0

IMPORTANT DATES

First Call: December 2015
Second Call: January 2016
Third Call: March 2016
Last date to send all types of extended abstracts and proposals: **April 11, 2016**
Last date to send workshop proposals: May 16, 2016
Authors notification: **May 16, 2016**
Submission of extended abstracts in final form: **June 7, 2016**
Registration starts: **June 13, 2016**
Submission of full papers (if desired): **July 11, 2016**
Notification of acceptance of full papers: **August 15, 2016**
Submission of full papers in final form: **September 12, 2016**
Symposium: **October 10-11, 2015**

All suggestions and comments are welcome. Please send us your ideas about possible invited speakers at imcwconf@gmail.com.

Yaşar Tonta and Serap Kurbanoğlu, General Co-chairs
Hacettepe University
Department of Information Management
06800 Beytepe, Ankara, Turkey
Phone: +90 312 297 82 00
Fax: +90 312 299 20 14
E-mail: {yasartonta, kurbanogluserap}@gmail.com