

8th. International Symposium ISKO-Maghreb'2019



CALL FOR PAPERS ISKO-Maghreb'2019

On: "Digital Sciences: impacts and challenges on Knowledge Organization."

February 6-7-8, 2020 Tunis (Tunisia)

www.isko-maghreb.org & <https://isko-maghreb2019.loria.fr/>

Organization in the event of the International Multi-Conference OCTA'2019

On: "Organization of Knowledge and Advanced Technologies" (<https://multiconference-octa.loria.fr/>)
<https://multiconference-octa.loria.fr/>

For reasons of the electoral calendar (ie. presidential and parliamentary elections) of the Tunisian Republic as the host country of the OCTA'2019 multiconference, the Presidents of OCTA took the decision to modify the organization dates in order to bring to authors, speakers and participants more serenity, best conditions and peace of mind to their work in this exceptional scientific setting.

Important (new) Dates:

Papers due (new deadline):	NOV. 15 th, 2019
Notification of acceptance:	DEC. 15 th, 2019
Final paper & Camera-ready due:	DEC. 20 th, 2019
Registration for authors (new deadline):	JAN. 5 th, 2020
OCTA'2019 days (new dates):	FEBRUARY 6-7-8 th, 2020
Best Paper Awards:	FEBRUARY 8 th, 2020

Description :

"The world is changing" according to **Michel Serres** in his book "[Petite Poucette](#)" (March 2012) and in his detailed [speech at the French Academy \(November 2017\)](#), he argues by: "It should then draw the consequences of this change of the space that affects the human species with the emergence of the "new technologies" of information and communication – in particular by trying to establish a new balance between the material element and the intangible element. ". Historically for Humanity, two major inventions that have profoundly changed the **knowledge organization** (KO) while associating culture and the transmission of knowledge: it is about writing (around the fourth millennium BC), then printing (in the fifteenth century by the invention of Johannes Gutenberg). Today, with digital technology, it is a major new invention that is imposing and having profound repercussions on the **knowledge organization system** (KOS) and its transmission of knowledge, on teaching and pedagogy, and on society and its world economy oriented towards the intangible.

At the dawn of the twenty-first century, we are witnessing the emergence of a young science called “digital sciences” to designate the information and communication sciences on their hardware and software components. The digital sciences revolutionize knowledge in relation to its technological means, as well as social links (or humanity) with its relationship to knowledge and its organization.

To the changes brought about by digital sciences, society as a whole must adapt and consider skills that reinvent tomorrow’s social relationships and its relation to knowledge: what we call the dynamic and interactive Web (web2.0 and web3.0), the Social networks that allow the creation of educational, professional and societal communities, the Collective Production of Knowledge and its relation to the collective intelligence, the risks of the Proliferation of the information and its consequences like the misinformation, the “fake news” or invasion of privacy. All of these changes have a potential and profound impact on education, culture, society and knowledge organization systems (KOS).

Faced with the advent of the digital sciences, the governance of knowledge seems to be the scientific policy best suited to the creation of value with regard to Man and his evolution in cultures and civilizations. The task of this governance is to take into consideration the transmission of knowledge related to scientific, technological and communication progress. Intrinsicly, this process of knowledge transfer requires a system of knowledge organization and management that implements the production of knowledge, its actors and the digital sciences for its influence in society.

The objective of the ISKO-Maghreb chapter continues to contribute to understanding the factors that organize knowledge and the phenomena that affect the information society. The actions to be undertaken by the scholarly society ISKO will have to take into account socio-cultural, cognitive and economic aspects in the strategic management of knowledge. Towards the knowledge society, knowledge must be seen in its dynamics, content and scientific and technological interactions with academics, business and politics (actors and institutions).

In this context, a first orientation is pedagogical to try to answer the question “**what do we know about knowledge, its organization and its mutation?**”. Then, the question evolves towards the societal challenges of knowledge, in theory and in practice, to provide clarifications to “**what convergence of KO (Knowledge Organization) and KM (Knowledge Management) approaches that organize knowledge and know-how?** “. Education, Digital Sciences, Culture, Information and Communication Sciences, remain the major themes covered by ISKO-Maghreb, for the establishment of knowledge organization, management skills, collective intelligence and Digital Humanities.

In a friendly, warm and open to exchange, the ISKO-Maghreb learned society was designed to strengthen the “ISKO International” Scholarship Foundation with academics, practitioners both in the Maghreb countries and in the world.

The International ISKO-Maghreb Symposium will be held at its eighth (8th) edition in Tunis (Tunisia) in November 2019, after seven successful editions. This edition is organized by the University of Tunis, and sponsored by Universities, Laboratories and Research Centers of the Maghreb and Europe countries.

OCTA Organization: The international multiconference OCTA and its projects, communities and scholarly societies (SIIE, ISKO-Maghreb, CITED and TBMS) will be held in Tunis at the ALECSO (Arab Organization for Education, Culture and Science) from 6 to 8 February 2020. The organization is under the aegis of the University of Tunis with its partners, and national & international sponsors.

Program days:

1 – Plenary Lectures: a plenary lecture by a half-day given by guest speakers who are experts in their field. The objective is to present a current theme that concerns the scientific ISKO Society.

2 – Parallel thematic sessions: twelve sessions of oral presentations and two Poster sessions of the best research selected by the scientific committee. After each plenary session, three parallel sessions and a Poster session are scheduled.

3 – General Meeting of the chapter ISKO-Maghreb: (i) Board meeting, Board Directors and members of the Chapter ISKO-Maghreb. (ii) Opening to new membership in ISKO-Maghreb and establishment of Maghreb working groups. (iii) Future Symposium ISKO-Maghreb.

Topics:

1- Knowledge Organization in the perspective of the Digital Humanities:

- a. Effects of dematerialization of documents: the digital for knowledge and knowledge
- b. Communication and convergence of media: the knowledge and knowledge industry
- c. Digital Humanities Heritage: corpus, documents and digital traces

2- Information and Communication Technologies and “Digital Sciences”:

- a. Communication networks and electronic documents
- b. e-Business and Business Platforms for Digital Publishing
- c. Digital economy (Web 3.0, SHS 3.0 and other concepts)

3- Collective Intelligence and Collaborative Working Platforms:

- a. Collective Intelligence and Knowledge Economy
- b. Knowledge Management and collective intelligence
- c. Social Networks: media, content and models in communication
- d. Structured knowledge database: communication, production and coordination

4- “Digital Sciences” and Cultural Heritage:

- a. Digital Memory, Archives and Knowledge Management (KM)
- b. Collaborative enterprises and media issues in heritage management
- c. Virtual Culture and Heritage

5- Knowledge Management (KM) in the organization of knowledge:

- a. Models of knowledge organization, skills and learning (science)
- b. Knowledge professions in the perspective of the Digital Humanities
- c. New KM practices in research: knowledge production, sharing and innovation

6- e-Learning, Virtual Libraries and Knowledge Management:

- a. Information Spaces for Distance Education and Learning Platforms
- b. Virtual libraries, resource mapping and multimedia for teaching
- c. Intangible heritage, its organization with the Digital Humanities

7- Strategic Watch and Organization of Knowledge:

- a. Concepts, actions and processes in business intelligence
- b. e-Watch, source analysis and skills development
- c. Data Science and Intelligence: Exploration, Analysis and Strategic Development

8- Representation of Knowledge and Semantic Web:

- a. Models of representation of knowledge
- b. From Knowledge to the Semantic Web: Approaches, Issues and Perspectives
- c. Digital Humanities in the challenges of the semantic web

9- Search Engines, Data Mining and Knowledge Discovery:

- a. Classification and Categorization in Data Analysis
- b. Visual Mining and Emergence of Knowledge
- c. Extraction, synthesis and visualization for decision support
- d. Knowledge, Engineering and Skills for Decision-Making

10- Mathematical Models, Data Scientists and Visualization:

- a. Numerical Methods, Scientific Computing and Decisional Statistics
- b. Stochastic calculus and application to society, economy-finance, and knowledge
- c. Mathematical models for the knowledge organization: society and economic markets
- d. Visualization of data and information for decision support

11- e-Enterprise and Knowledge Management:

- a. Knowledge Management and Representation e-Entreprise: Architecture and Governance
- b. Life Cycle (s) of e-Business Knowledge Development
- c. Semantic and Strategic Alignment: New Challenges for e-Business
- d. From information architecture (EiA) to the knowledge architecture (EkA) e-Entreprise

12- Knowledge Management in Advanced Information Systems:

- a. Knowledge in Autonomic Computing
- b. Knowledge Extraction: Techniques and Models for the User Profile, Context and Alignment of Ontologies
- c. Emergence of knowledge: Big Data, Social & Societal knowledge, and communities

13- Knowledge and web services:

- a. Ontologies for Web Services
- b. Web 2.0 and its evolution for Web services
- c. Discovery and composition of web services

14- Knowledge Management for decision-making and complexity:

- a. Business Intelligence and Knowledge Management
- b. Complex adaptive systems in knowledge-based environments.

Programme Committee:

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Local Chairs

- KADDOUR Amira (Vice-Présidente ISKO-Maghreb, Université de Carthage, Tunisia)
- CHEBBI Aïda (ISD – Université de la Manouba, Tunisie)

Members:

(in progress)

Language & Communication in Symposium:

*Presidents of ISKO-Maghreb encourage authors (senior, junior and professional) to submit proposals in **full text paper** in the recommended format (IEEE Template in 2 columns) in written English or French. After review, the corrected and/or completed author's proposal must be submitted in a final **English full version**.*

- All papers must be written in English or French.
- All data-show presentations (in PowerPoint) must be written in English.
- Oral presentations and discussions are permitted in English and/or in French.

Paper Guidelines: **Submission in FULL PAPER only**

• Paper submission:

Authors are invited to download the following templates according to “The [Template and Instructions](#)” on [How to Create Your IEEE Paper](#) (double column text, which can be used for peer review and final submission) :

URL: [Use these article templates for all IEEE Computer Society journals.](#)

- **DOC or PDF Format** (in [Article Templates](#)):

URL: [Use these article templates for all IEEE Computer Society journals.](#)

- **DOC or PDF Format** (in [Article Templates](#)):

<http://ieeauthorcenter.ieee.org/create-your-ieee-article/use-authoring-tools-and-ieee-article-templates/ieee-article-templates/templates-for-computer-society-journals/>

Authors are invited to submit original, unpublished research papers that are not currently being considered in any other forum. Manuscripts must be submitted to « ISKO-Maghreb'2018 EasyChair Conference system » on: <https://easychair.org/conferences/?conf=iskomaghreb2019>

- **Paper Format (DOC, RTF or PDF):**

- All papers must not exceed **8 pages** in format **.DOC** or **.PDF** according to IEEE Template (in 2 columns).
- **Paper Rating:**
 - The Scientific Committee will assess the relevance of each proposal and will propose appropriate changes.
 - The acceptance criteria are: originality of the contribution, importance to the community and impact on future scientific work, significance of results and quality of presentation.
- **Anti-plagiarism Policy:**

As part of the anti-plagiarism policy followed by ISKO Int. Society, the papers will be subject to anti-plagiarism software Compilatio (<https://www.compilatio.net/>).
- **Paper platform for ISKO-Maghreb:**
 - Dear authors, we invite you to submit your contributions from the site **EasyChair Conference System**: <https://easychair.org/conferences/?conf=iskomaghreb2019>
 - If you do not have an account **EasyChair**, we invite you [to start and create one](#).

Registration & Fees:

- **ISKO-Maghreb'2019** will be organized in the event of the **International Multi-Conference OCTA'2019** on "Organization of Knowledge and Advanced Technologies" (<https://multiconference-octa.loria.fr/>) ;
- Fees & registration of ISKO-Maghreb'2019 on: <https://multiconference-octa.loria.fr/registration/>

Chairs & Contacts of SIIE'2019 :

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Kaddour Amira (Vice-President of ISKO-Maghreb, ENSTAB & Université de Carthage Tunisie).

Location of the conference:

Tunis (Tunisia) in: **ALECSO Tunis**.



Arab Organization for Education, Culture and Science.
Organisation arabe pour l'éducation, la culture et la science.

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