7 th. International Symposium ISKO-Maghreb on:

"Knowledge Organization in the perspective of Digital Humanities"

November 25th. – 26th. , 2018 in Bejaïa (Algeria)

www.isko-maghreb.org

Saturday, November 24th. (PM)
14h30-18h00 : Welcome for Registration & Accommodation to participants

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Sunday, November 25th.
8h00-9h00 : Welcome and Registration

8h45-9h30 : Conference opening
Welcome inauguration:

ISKO-Maghreb Personalities:
- o **Dr. Abdelkamel TARI** (Co-Organizing President, Université de Bejaia, Algeria)
- o **Dr. Hachem SLIMANI** (Co-Organizing President, Université de Bejaia, Algeria)
- o **Dr. Abdelkrim MEZIANE** (Vice-President ISKO-Maghreb – CERIST Alger, Algeria)
- o **Dr. Anass ELHADDADI** (Vice-President ISKO-Maghreb – ENSA Al-Hoceima, Morocco)
- o **Dr. Amira KADDOUR** (Vice-President ISKO-Maghreb – ENSTAB University of Carthage, Tunisia)
- o **Dr. Sahbi SIDHOM,** (President ISKO-Maghreb – University of Lorraine, France)

Honorary Personalities:
- o **Dr. Abdelhamid BOUKEROUI** (Doyen de la Faculté des Sciences Exactes de Bejaia, Algeria)
- o **Pr. Boualem SAIDANI** (Recteur de l'Université de Bejaia, Algeria)

9h30-11h00 : Plenary Conference
*Keynote Chair: **Sahbi SIDHOM** (President ISKO-Maghreb & University of Lorraine France)*

> *Keynote***:** "Large Scale Data Analytics Technique for Big Data".
>
> **By: Mohand Tahar KECHADI,** University College Dublin, Dublin (UCD).

> *& (in visioconference / video):*
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> *Keynote***:** "We, the World and the Digital. A phenomenology?".
>
> **By: Samuel NOWAKOWSKI,** Maître de conférences HDR, Université de Lorraine (France).

Discussion with audience

11h30-13H10: Parallel sessions

Session A1:   Digital Humanities in Collective Intelligence
Chair: TARI Abdelkamel (Co-Organizing President & Université de Bejaia, Algeria)

Pedro Chavez Barrios, Davy Monticolo and Sahbi Sidhom. Semantic Approach to Compare Ideas in a Creativity Workshop.
Asma Djaidri and Hassina Aliane. Induction de sens des mots Arabe dans un espace vectoriel des mots.
Hizia Bougchiche and Dalila Mohellebi. Le Knowledge Management: fondements culturels et veille stratégique.
Alexey Skuratov and Olga Ergunova. DIGITALIZATION OF THE ECONOMY OF RUSSIA AS INSTITUTIONAL FACTOR OF ITS DEVELOPMENT.

Session B1: e- Management for Knowledge Organization
Chair: KADDOUR Amira, (Vice-President ISKO-Maghreb & Université de Carthage Tunis, Tunisia)

Nabil Djebari, Hassina Nacer and Djamil Aissani. Composite Web Services Access Control Model in the Internet of Things.
Houda El Bouhissi, Abdelkamel Tari and Abdel-Badeeh Mahmoud Salem. Building and Enriching Web Service Ontology from Linked open data.
Khaled Bedjou, Lamia Berkani and Faiçal Azouaou. Prototype d'un système de recherche personnalisée de services web sémantique.
Hayat Haroun and Abdessamed Réda Ghomari. Traceability of professional risks exposure data for occupational health -Literature Review.

Session C1: Big Data, Data Engineering and Knowledge Visualization
Chair: KHANOUCHE Mohamed Essaid, (Département d'Informatique, Université de Bejaia, Algeria)

Amine El Haddadi and Anass El Haddadi. XEW2.0: Un Système d'Intelligence Economique agile pour le traitement des Big Data.
Soufia Bennai and Kamal Amroun. ShrFp-Compression method for Big Data.
Fadwa Bouhafer, Anass El Haddadi, Mohammed Heyouni and Zakaria Boulouard. Xew Ant: Une nouvelle approche de clustering incrémental pour l'analyse des Big Data.
Hemmak Allaoua. Vers l'Optimisation Quantique, Challenges et Handicaps.

13h15-14h30: Lunch

14h30-16h00 : Plenary Conference

Keynote Chair: Abdelkrim MEZIANE (Vice-President ISKO-Maghreb & CERIST, Algeria)

> *Keynote:* "The concept of a Pseudo-polygon and its application to Big Data and IoT".
> *By:* **Ahcène BOUNCEUR**, Maître de conférences HDR, Université de Bretagne Occidentale (France).

Discussion with audience

16h30-18h10: Parallel Sessions

Session A2:   Competitive Intelligence and Knowledge Approaches
Chair: SLIMANI Hachem, (Co-Organizing President & Université de Bejaia, Algeria)

Hamza Ladeg and Rachid Chalal. Les limites des réseaux sociaux d'entreprises dans le partage des connaissances.

Nadia Benahmed El Allia and Abdessamad Réda Ghomari. Towards A Holistic Collective Intelligence System for Algerian Higher Schools 2.0 - ESI Algiers, EIS mission case study.

Matmar Dalila, Naneche Fariza and Harouz Samira. Les TIC Comme Préalable A L'intégration De L'intelligence Economique Au Sein De L'entreprise En Vue De Renforcer Sa Compétitivité : Cas De L'opérateur De La Téléphonie Mobile Mobilis.

Khaled Bedjou, Abdelouhab Aloui and Faiçal Azouaou. LexD3T : A Lexical Detection Process of Terrorist Threats on Twitter.

Session B2: Knowledge Organization, Data Mining & Challanges
Chair: KAZAR Okba, (Université de Biskra, Algérie)

Manel Kolli. Towards a formal and coherent ontology alignment.

Telli Abdelmoutia and Ferroudj Houssam. Automatic Number Plate Recognition System (ANPR).

Saidi Meryem, Nesma Settouti and Bechar Mohammed El Amine. Cost sensitive learning in imbalanced datasets: application to credit card fraud detection.

Lamia Berkani, Lilya Betit and Yanis Chebahi. Extraction Optimisée de Connaissances basée Data Mining et Algorithme Génétique.

Session C2: e-Learnning, Systems and Knowledge Models
Chair: AMROUN Kamal, (Département d'Informatique, Université de Bejaia, Algeria)

Samir Bourekkache, Okba Kazar, Laid Kahloul and Samir Tigane. Adaptation of learning styles for personalized learning system.

Abdelaziz Lakhfif. Design and Implementation of a Virtual 3D Educational Environment to improve Deaf Education.

Yamina Aissaoui, Faicel Azouaou and Lamia Berkani. ESIRocommender: Social Recommender System Based On Sentiments Analysis and Trust Between Learners.

Aitouche Samia, Mohamed Djamel Mouss, Khayreddine Bouhafna and Samira Brahmi. Le management des compétences dans l'entreprise et sa relation avec la formation.

18h15-19h00 : General Assembly of ISKO-Maghreb Chapter
Chair of GA ISKO-Maghreb: Sahbi SIDHOM (President of ISKO-Maghreb)

Participants:
Vice-Presidents ISKO-Maghreb (Tunisia, Algeria and Morocco) & Bureau ISKO-Maghreb & (ISKO & ISKO-Maghreb) Members' ISKO-Maghreb Community.

20h30 : Gala Dinner

Monday, November 26th.
8h30-9h00 : Welcome & Registration

9h00-10h30 : Plenary Conference

*Keynote Chair: **Anass ELHADDADI** (Vice-President ISKO-Maghreb & ENSA Al-Hoceima, Morocco)*

> **Keynote:** "Visual Mining: A User-Centric Immersive Approach to Exploration and Knowledge Emergence. Applications in the health field".
> **By: Rachid GHERBI**, Professeur, Université de Paris Sud Saclay (France).

Discussion with audience

10h30-11h00: coffee break

11h00-12h40 : Parallel sessions

Session A3: Knowledge Organization, Document/Archive and Case Studies
Chair: BELAID Ahror, (Département d'Informatique, Université de Bejaia, Algeria)

Abdelaziz Lakhfif and Laskri Mohamed Tayeb. A frame semantics based approach to comparative study of digitized corpus.
Imene Setha and Hassina Aliane. A Latent Semantic Analysis LSA approach for plagiarism detection in Arabic documents.
Tarek Boutefara and Latéfa Mahdaoui. Exploitation des couleurs choisies par l'apprenant dans ses annotations personnelles pour surveiller son état émotionnel.

Session B3: e-Watch, Studies domain and Collaborative Environment
Chair: AZNI Mohamed, (Département d'Informatique, Université de Bejaia, Algeria)

Sofiane Aissani, Mohamed Mohammedi, Tarek Fettioune, Nafaa Maizia, Mawloud Omar and Bournane Abbache. Overheadless Key Exchange Mechanism for Heterogeneous Connected Objects.
Sadouki Samia, Boudries Fouzia, Tari Abdelkamel, Moussous Nadjet and Atmani Zina. Une Métaheuristique Bio-Inspirée pour la Gestion de la Charge Electrique et la Minimisation du Tarif d'Electricité dans une Maison Intelligente
Nadjette Dendani-Hadiby and Rayene Allouani. Rules-Based Reasoning(Expert System) and Domain ontology to diagnose diabetes disease.
Houssam Eddine Rouabhia, Brahim Farou, Hamid Seridi and Muhammet Kurulay. Shadow detection using texture information.

Session C3: e-Systems, Knowledge and Process Management
Chair: ALOUI Abdelouahab, (Département d'Informatique, Université de Bejaia, Algeria)

Hamza Lamia. Modèle d'intrus pour générer des attaques complexes dans les systèmes informatiques.

Adil Boughida, Mohamed Nadjib Kouahla, Fatima Zahra Bouhlaci, Yacine Lafifi and Wassila Harkas. EmAd : Un système d'apprentissage humain adaptatif à base d'émotions.

Amine Kechid and Habiba Drias. A Parameter-free Partitioning Approach.

Nadim Elsakaan, Soufia Bennai, Abdallah Boukerram, Abdelmadjid Bouabdallah and Kamal Amroun. Data Compression for Authentication-keys in IoT context.

Ouarda Zedadra and Hamid Seridi. Levy Walk and Firefly-based Foraging Algorithm.

12h50-14h00 : President Lunch

(**Best paper Awards, Future edition and Lunch**)

14h30-18h00 : Extra activities: Excursion