



Online Edition & Organization

Multi-Conference OCTA in 2023 on: "Organization of Knowledge and Advanced Technologies."

Unifying the contributions of conferences: [SIIE'2022](#) & [ISKO-Maghreb'2022](#) & [CITED'2022](#) & [TBMS'2022](#) & [OCTA'2022](#)

February 9-10-11, 2023 AL-HOCEIMA – Morocco. <https://octa2022.loria.fr/>

Thursday, Feb. 9th, 2023 (DAY 1)

9h00 : Welcome and Registration

9h00-10h30 : Conference opening & Welcome inauguration

Chair of inauguration: **Bouchta EL MOUMNI** (President of Abdelmalek Essaadi University, Tetouan Morocco)

OCTA online with Google meet : <https://meet.google.com/qrg-hthw-sbm>

○ Presidents of Conferences: OCTA, SIIE, ISKO-Maghreb, CITED and TBMS

Sahbi SIDHOM (Université de Lorraine, France), **Anass EL HADDADI** (ENSAH, Morocco), **Mohamed ADDAM** (ENSAH, Morocco), **Abdelkrim MEZIANE** (CERIST, Algeria), **Amira KADDOUR** (Université de Carthage, Tunisia), **Habib SIDHOM** (President of the University of Tunis, Tunisia), **Mohamed JEMNI** (ALECSO – ICT Department, Tunisia), **Richard LI-HUA** (ELITE Innovation College Cambridge, UK.), **Cheikh Mouhamadou MBACKE LO** (ANRSA, Senegal), **Nasar Aldian SHASHOA** (Libyan Academy Tripoli, Libya), **Fouad ZMOKHOL** (Université Saint-Joseph Beyrouth, Liban), and **Imad SALEH** (Université de Paris8, France).

○ Honorary Personalities of OCTA Multi-Conference:

Bouchta EL MOUMNI (President of Abdelmalek Essaadi University, Tetouan Morocco), **Hinde CHERKAOUI DEKKAKI** (Vice-President "Scientific Research & Cooperation" of Abdelmalek Essaadi University, Tetouan Morocco), **Mohamed BELLAIHOU** (Director of ENSAH– Abdelmalek Essaadi University, Hoceima Morocco).

10h30-12h00 : Plenary Conferences - Keynote

Chairs: **Sahbi SIDHOM** (Université de Lorraine, France) & **Anass EL HADDADI** (ENSAH, Morocco)

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Keynote#1 - Guest & Affiliation: *Pr. Jean-Paul HATON (Université de Lorraine & IUF, France)*
Title: “The Metaverse: The virtual world of tomorrow”.

45’-60’ Speech

+30’ Open discussion with the audience & Synthesis.

12h00-14h00: Lunch

14h00-16h00 : Parallel sessions – Authors

Session A1 : Information System & Applications in Society

Chair: **Tarik BOUDAA** (ENSAH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghrebn CITED & TBMS		
(20' presentation +10' discussion) per Paper + Synthesis by Chair		
1	Toufik Mzili, Mohammed Essaid Riffi and Ilyass Mzili	THE FIRST ADAPTATION OF THE F RAT SWARM SEARCH (DRSS) ALGORITHM TO SOLVE THE DISCRETE QUADRATIC ASSIGNMENT PROBLEM (QAP) PROBLEM.
2	Nasar Aldian Shashoa, Munya Arwin, Weiam Saheri and Ahmed Abougarair	Compression between Multi Stage Recursive Least Square Algorithm and Data Filtering Based Recursive Least Squares Algorithm for Parameter Estimation
3	Atounti Mohamed, El Ouahabi Safâa and Naciri Kawthar	Arabic Opinion Mining Using Deep Learning and Hy-brid Approaches
4	Djilali Benabou, Khalissa Semaoune and Soumia Tabeti	The Perception of the Ban on the Use of Mobile Phones to Make Voice Calls in Social Settings in Algeria

14h00-16h00 : Parallel sessions – Authors

Session A2: Data Analysis Model, Knowledge Organization & Decision-Making

Chair: Fouzia MORADI (ENSAH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghreb CITED & TBMS

(20' presentation +2' discussion) per Paper + 10' Synthesis by Chair

1	Imad El Barkani, Mohamed ADDAM	Transverse electromagnetic wave problem using frequency-domain approach and tensorial spline finite element method
2	Imane ELHADOUTI, Mohamed ADDAM	A novel quantum information based computational approximate solution of the Schrödinger partial differential equation
3	Ahmad Ben Abdellah, Mohamed ADDAM	Modeling Beam Displacements governing by coupled Timoshenko vibrating equations based on Galerkin variational projection
4	Salima BELKOUZ, Mohamed ADDAM	On solving Black-Scholes equation using Higher-order Smoothing splines Galerkin projection and Fourier Transform discretization

Friday, Feb. 10th, 2023 (DAY 2)

9h00 : Welcome and Registration / Accueil et Inscriptions

9h00-10h30 : Plenary Conferences - Keynote

Chairs: Abdelkrim MEZIANE (CERIST & VP ISKO-Maghreb, Algeria) & Imad SALEH (Université de Paris8, France).

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Keynote#2 - Guest & Affiliation: *Pr. Isabelle SAYN (CNRS Paris, France) & Pr. Naceur CHAABANE (CNRS Paris, France)*
Title: “Artificial Intelligence in the Humanities and Social Sciences” (in progress)

45’-60’ Speech

+30’ Open discussion with the audience & Synthesis.

10h30-12h30 : Parallel sessions – Authors

Session A3: Data Analysis Model, Knowledge Organization & Decision-Making

Chair: Jaber EL BOUHDIDI (ENSATe, Morocco)

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OCTA & projects : SIIE, ISKO-Maghreb CITED & TBMS

(20’ presentation +2’ discussion) per Paper + 10’ Synthesis by Chair

1	Samira Boudaa, Anass El Haddadi and Tarik Boudaa	Measuring Semantic Similarity between Arabic Questions using Hungarian Method and Support Vector Machines
2	Mohamed Cherradi, Anass El Haddadi and Fadwa Bouhafer	Data Lake Management System based on Topic Modeling
3	Sara El Ouahabi, Safâa El Ouahabi and El Wardani Dadi	Sentiment Analysis for Moroccan Dialect using the Model of Machine Learning
4	Tamanna Dalwai, Krishna Murthy Meesaala, Syeeda Shafiya Mohammadi, Menila James, Mahdi Salehi, Gaitri Chugh and Faisal Al Kasbi	Institutional Quality, Carbon Emissions and Financial Sustainability: A mediating effect of Intellectual Capital Efficiency in Health Care Sector

10h30-12h30 : Parallel sessions - Authors

Session A4: Systems, Models and Processing Design

Chair: **Abdelkhalek BAHRI** (ENSAH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghrebn CITED & TBMS		
<i>(20' presentation + 2' discussion) per Paper + 10' Synthesis by Chair</i>		
1	Soukaina Seddik, Mehdi Ajana El Khaddar, Hayat Routaib and Anass Elhaddadi	Minimizing the butterfly effect in fintech using a hybrid approach based on ESN and Lorenz system
2	Elisabeth Paoli, Bernard Dousset	Artificial Intelligence in building and public works
3	Asma Abassi	PATRIMONIALIZATION AND DIGITAL TERRITORIES : DIALOGUE TO CONQUER NEW AUDIENCES THE CASE OF THE INSTITUT DU MONDE ARABE (IMA)
4	Asmae Boufassil and Anass El Haddadi	A systematic literature review with bibliometric analysis of data catalog from period 1970 to 2021

12h30-14h00: Lunch

14h00-16h00 : Parallel sessions – Authors

Session A5: Data, Information & Social Network in Sustainable Development

Chairs: **Hayat ROUTAIB** (ENSAH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghrebn CITED & TBMS		
<i>(20' presentation + 2' discussion) per Paper + 10' Synthesis by Chair</i>		
1	Mohamed El Abdellaoui, Omar Boubker, Khaled Naoui and Mohamed Hansali	DISCONNECTED SUPPLY CHAIN RECOVERY: BRINGING TOGETHER THE DIMENSIONS OF RESILIENCE, SUSTAINABILITY AND DIGITALIZATION IN SUPPLY CHAINS - A POSITION STUDY INSPIRED BY COVID-19 PANDEMIC IN THE MOROCCO CONTEXT
2	Marc Tanti	Dissemination of health data beyond digital borders - The example of data from the Covid-19 pandemic. (Fr) Diffusion des données sanitaires au-delà des frontières numériques- L'exemple des données de la pandémie de Covid -19
3	Zakaria Boulanouar and Lobna Essid	Renewable Energy investment flow: Could the resilient new trend decouple carbon emission from economic growth in OECD countries
4	Hayat Routaib, Soukaina Seddik and Anass El Haddadi	A Comparative Study of the COVID-19 Impact on FinTech Sectors

14h00-16h00 : Plenary session of Authors

Session A6: Knowledge Organization, System Design and Innovation

Chairs: Najat MORADI (FSTH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghreb CITED & TBMS

(20' presentation + 2' discussion) per Paper + 10' Synthesis by Chair

1	Imane zeroual, Jaber EL BOUHDIDI	Vehicle type prediction of goods delivery using machine learning
2	Wafae Mrabti, Benaissa Bellach and Hamid Tairi	Human motion tracking from a single view
3	Fadwa Bouhafer, Anass El Haddadi	Big Data for Firms' Competitiveness
4		

Saturday, Feb. 11th, 2023 (DAY 3)

9h00 : Registration / Inscriptions

9h00-10h30 : Plenary Conferences - Keynote

Chairs: Amira KADDOUR (Université de Carthage, Tunisia) & Fouad ZMOKHOL (Université Saint-Joseph Beyrouth, Liban)

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Keynote#3 - Guest & Affiliation: **Jean-Charles LAMIREL** (University of Strasbourg, France & University of Technology of Dalian, China)

Title: "A step ahead for generation of explainable embeddings using feature maximization principle: Application to graph and word embeddings".

45'-60' Speech

+30' Open discussion with the audience & Synthesis.

10h30-12h30 : Plenary session of Authors

Session A7: Knowledge Organization, System Design and Innovation

Chairs: **Mohamed ADDAM** (FSTH, Morocco)

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OCTA & projects : SIIE, ISKO-Maghreb CITED & TBMS		
(20' presentation + 2' discussion) per Paper + 10' Synthesis by Chair		
1	Muhammad Mustafa Hassan	Experimenting with Polymorphic Creativity Support Tools to Support Innovation in Participatory Ideation
2	Mohamed Maskittou, Anass Elhaddadi and Hayat Routaib	Distributed breadth-first-search algorithm for degree separation of semantic patent networks.
3	Issam Seddik, Safâa El Ouahabi and Mohamed Atounti	Contribution to creation, classification and generation of a new hand-written Tifinagh alphabet letters dataset using ANN, CNN and GAN.
4	Besma Ben Amara, Hedia Mhiri Sellami and Lamjed Ben Said	An Approach for Serious Games Requirements Specification based on Design Challenges and Characteristics Taxonomy

12h30-13h00: Closing Ceremony & Next edition of OCTA Multi-Conference.

OCTA online with Google meet : <https://meet.google.com/adk-fjww-eke>

*OCTA Chairs: **Sahbi SIDHOM** (Université de Lorraine, France), **Anass EL HADDADI** (ENSAH, Morocco), **Mohamed ADDAM** (ENSAH, Morocco), **Abdelkrim MEZIANE** (CERIST, Algeria), **Amira KADDOUR** (Université de Carthage, Tunisia), **Habib SIDHOM** (President of the University of Tunis, Tunisia), **Mohamed JEMNI** (ALECSO – ICT Department, Tunisia), **Richard LI-HUA** (ELITE Innovation College Cambridge, UK.), **Cheikh Mouhamadou MBACKE LO** (ANRSA, Senegal), **Nasar Aldian SHASHOA** (Libyan Academy Tripoli, Libya), **Fouad ZMOKHOL** (Université Saint-Joseph Beyrouth, Liban), and **Imad SALEH** (Université de Paris8, France).*

