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The ATSP Executive Committee is pleased to announce **ATSIP'2024, 7th IEEE (Xplore) ATSP** edition, International **Ranked** Conference on **Advanced Technologies, Signal and Image Processing**.

ATSP conference ranking : core2023 database (<http://portal.core.edu.au/conf-ranks/2231/>).

IEEE Xplore ATSP'2024 aims to provide a high-level international forum for researchers, engineers and scientists from around the world to present and discuss recent advances and applications in the fields of **Advanced Technologies, Signal and Image Processing applications...**

The conference will feature world-class speakers, plenary sessions, business and industrial exhibits, round tables and poster sessions. Main topics (with sub-topics) include, but are **not limited to** :

- **Medical signal/image & Computer Aided Diagnosis** ■ **IoT & Embedded Systems, RF Applications**
Habib BENALI (CAN) & Khalil CHTOUROU (TUN) & Lamia SELLAMI (TUN) ■ Med ATRI (KSA) & Mohamed GHORBEL (TUN) & Ahmed KAFFEL (USA)
- **Remote Sensing and Assimilation** ■ **New Technologies for Communications Networking**
Mehrez ZRIBI (FRA) & Imed R. FARAH (TUN) & Abdelaziz KALLEL (TUN) ■ Riadh ABDELFAHTEH (TUN) & Christophe GROVA (CAN) & Abd. TOUMI (FRA)
- **Image & Video, Speech & Audio Processing** ■ **Big Data, Cloud Computing Applications**
Rachid JENNANE (FRA) & Sofia BENJEBARA (TUN) & Mondher FRIKHA (TUN) ■ Naoufel KRAIM (KSA) & Mohamed FARAH (TUN) & Ali DOUIK (TUN)
- **AI for Advanced Technologies** ■ **Advanced Technologies for Security**
Bhiksha RAJ (USA) & Zied LACHIRI (TUN) & Najoua BEN AMARA (TUN) ■ Gerard CHOLET (FRA) & Mounir SAYADI (TUN) & Ali ALGARNI (KSA)

Paper submission :

Authors are invited to submit full-length papers of no more than six pages including results, figures and references. Papers will be accepted only by electronic submission through the conference website : http://www.lab-atms.com/events/atsip2024/paper_submission.php

Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference.

Selected Papers, Best Papers :

Best papers will be awarded, and will be extended in order to be submitted as special issues of international journals (*See ATSP2024 website...*).

Special Sessions, Round Tables :

Besides regular sessions in ATSP'2024, Special Sessions are also an important part of technical program, promoting appropriate environment to foster discussion and collaboration on specific topics of interest:

- **Medical signal/image and cognitive neuroscience**
Habib Ben Ali (CAN) & Julien Doyon (CAN)
- **Artificial Intelligence in Neurodegenerative Diseases: Advances and Prospects**
Nawres Khelifa (TUN), Rosotm Mabrouk (CAN), Hajer Kachnaoui, (TUN) & Bouchra Guelib (ALG)
- **Challenges of artificial intelligence for control and navigation of robots**
Hassene seddik (TUN) & Chiraz Ben Jabeur (TUN) & Nadhir Mesai (Fr)
- **Recent trends in signal and image processing toward diseases and pattern identification**
Hassene seddik (TUN) & Slim Ben chaabene (TUN) & Zouhair Mbarki (TUN) & Amine Ben Slama (TUN)
- **Recent Advances in AI for Emotion Recognition**
Leila Beltaifa (FRA), Bhiksha Raj (USA), Hassene seddik (TUN) & Gérard Chollet (FRA)
- **Deep learning for medical imaging, CAD's real health information systems**
Rachid JENNANE (FRA) & Rania HAMMEMI (MOR) & Ali ALGARNI (KSA)
- **Advanced AI Models for Biometrics**
Ahmed KAFFEL (USA), Imed Riadh Farah (TUN), Najoua Ben Amara (TUN) & Areej ALASIRY (KSA)
- **Artificial Intelligence for remote sensing images**
Mehrez Zribi (FRA), Abdelmalek Toumi (FRA) & Abdelaziz KALLEL (TUN)

Important Deadlines :

- Submission of Regular Papers : **March 15th, 2024**
- Notification of Paper Acceptance : **April 15th, 2024**
- Revised Paper Upload Deadline : **May 05th, 2024**
- Author's Registration Deadline : **June 15th, 2024**

More information is available at : http://www.lab-atms.com/atsip_2024