

URSI-FRANCE WORKSHOP

ENERGY IN THE HEART OF WAVES

RESOURCES AND ENVIRONMENT: SMART MANAGEMENT

MARCH 21-22, 2023

CENTRALESUPÉLEC, SACLAY SCIENTIFIC CAMPUS (PARIS AREA)

1ST CALL FOR COMMUNICATIONS

Energy is more relevant than ever: Modes of transmission, harvesting, conversion, storage as well as associated materials and systems are interdisciplinary issues in many sectors of activity (mobility, communication, etc.). Waves play an increasing role in the transmission, control and management of energy, both through fundamental aspects, technological developments and analysis tools.

The URSI-France 2023 workshop, organized under the auspices of the French Academy of Sciences, will focus on "Energy in the heart of waves". It will be structured around oral and poster sessions. Most of the sessions will be introduced by keynotes and guest speakers, presenting the state of the art and/or recent developments, followed by papers selected by the scientific committee.

The workshop aims to bring together researchers (from academia and industry) under the following topics:

- Multiplicity and variability of sources, complex media and environments, energy levels, frequencies, etc.
- Multi-scale / multi-level models
- EMC, susceptibility, vulnerability, interferences
- Human exposure and health
- Innovative materials and components
- Measurement protocols
- Management strategies: Sobriety, flexibility, efficiency, acceptability, resilience, risk management, etc.
- Artificial intelligence, resources optimization, time-frequency aspects

URSI-France, applying the URSI policy of support to women in radio science, warmly encourages them to highlight their works in the context of JS 2023.

The URSI-France 2023 workshop is jointly organized by SATIE (Information and Energy Technology, Systems and Applications) and GeePs (Group of electrical engineering – Paris) laboratories.



With the support from



ORGANISATION

The workshop will take place on Tuesday March 21 and Wednesday March 22 in CentraleSupélec, Saclay scientific campus. Plateau de Moulon 3 rue Joliot-Curie, F-91192 Gif-sur-Yvette

All information related to the workshop is available on the website: <http://ursi-france.org>

COMMITTEES

Organizing committee chairs: Mohamed BENSETTI (CentraleSupélec/GeePs) & Alain SIBILLE (Telecom Paris & URSI-France)

ABRIET Sophie (ENS Paris-Saclay / SATIE) COSTA François (UPEC / SATIE) GANNOUNI Chadi (CNRS/GeePs) HAMELIN Joël (URSI-France) LABROUSSE Denis (ENS Paris-Saclay/ SATIE) LEVY Pierre-Etienne (ENS Paris-Saclay/ SATIE)	MIR Lluís M. (CNRS/URSI-France) PICHON Lionel (CNRS/GeePs) SARRAZIN Julien (Sorbonne Université/GeePs) SIZUN Hervé (URSI-France) VOLDOIRE Adrien (Centralesupélec/GeePs)
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Scientific committee chairs: François COSTA (UPEC/SATIE) and Lionel PICHON (CNRS/GeePs)

AMEDEO Alexandre (Thales) BENSETTI Mohamed (CentraleSupélec) BESNIER Philippe (CNRS) CIRIO Laurent (Université Gustave Eiffel) CLAVEL Edith (Université Grenoble Alpes) CONIL Emmanuelle (ANFR) DARCES Muriel (Sorbonne Université) DENIAU Virginie (Université Gustave Eiffel) GRZESKOWIAK Marjorie (INSA de Toulouse) GUENA Arnaud (Thales) JULLIEN Charles (Safran Tech)	LAFON Frederic (Valeo) LALLECHERE Sébastien (Safran Tech) LAMBERT Marc (CNRS) LAN-SUN-LUK Jean-Daniel (Université de La Réunion) LEVY Pierre-Etienne (ENS Paris-Saclay) PALADIAN Françoise (Université de Clermont-Auvergne) POUSSET Yannis (Université de Poitiers) SARRAZIN Julien (Sorbonne Université) SIBILLE Alain (Telecom Paris & URSI-France) TANZI Tullio (Telecom Paris) VILLEMAUD Guillaume (INSA de Lyon) VOLLAIRE Christian (Ecole Centrale Lyon)
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CNFRS/URSI-FRANCE MEDAL AND RADIOSCIENCES PHD AWARD

The workshop will be the opportunity to remit the **annual URSI-France Medal**, as well as the 2023 **Radiosciences PhD Award** under the aegis of [URSI-France](#) and of [ANFR](#).

AWARDS

- A **"Young researcher" grant of 300 euros** and a **free registration** will be provided to the main author and presenter of the best article, if he is candidate, under 35 on March 21, 2023 and affiliated to a European laboratory other than French.
- A best paper **"Young scientist" award** will be selected by the scientific committee. The young scientist must be PhD student or post-doctoral student and first author of the paper.

These two allocations are independent and may turn out to be given to the same person.

PUBLICATIONS

The proceedings of the workshop which will be available in open access on the URSI-France web site (<http://ursi-france.org>).

A selection of papers will be proposed for extended publication, either in the **Comptes rendus Physique de l'Académie des sciences** (in English) or in the **Revue de l'électricité et de l'électronique** (in french).

INSTRUCTIONS FOR AUTHORS

Proposals for papers should be submitted online via the dedicated website: <https://ursifr-2023.sciencesconf.org> in the form of a clear and concise text of **one to two pages**, with sufficient content to allow their scientific evaluation. A MS-WORD Template (text, presentation and poster) will be available on the workshop web site and on the URSI-France website. The slides will be in English while the talks may be English or French.

KEY DATES

December 16, 2022:

January 27, 2023:

February 13, 2023:

February 24, 2023:

March 3, 2023

March 21-22, 2023:

Deadline for submission of abstracts

Notification to authors of acceptance

Deadline for submission of full papers

Notification to authors of full paper acceptance and online registration open

Deadline of registration

Workshop

REGISTRATION

The **registration fee is 240 €** for each participant. It includes, among others, lunches and coffee breaks. A **125€ reduced fee** will be applied to students and retired participants.

Registrations have to be made **online**: <https://ursifr-2023.sciencesconf.org>