

## RADIO SCIENCE FOR HUMANITY

### FRENCH NATIONAL RADIO SCIENCE WORKSHOP (JS'17)

FEBRUARY 1-3, 2017

CAMPUS SOPHIA TECH, SOPHIA ANTIPOLIS, FRANCE

### PRELIMINARY CALL FOR PAPERS

The URSI-France 2017 Workshop, under the sponsorship of the French Academy of Sciences, will be dedicated to "**Radio Science for Humanity**". The workshop will be held at Campus SophiaTech located in Sophia Antipolis, South of France, on February 1-3, 2017. **JS'17** is co-organised by Institute Mines Telecom - Telecom ParisTech and Université Nice Sophia Antipolis. On Thursday, February 2, at 5 pm, the **General Assembly of URSI-France** will hold their annual meeting.

Electromagnetism, telecommunications, electronics and photonics are an essential backbone of our modern society. The development of these activities benefits humanity in a wide range of issues, from extreme situations to simple comfort in our everyday lives. In this rapidly evolving field, we will focus in the workshop on both fundamental and conceptual aspects as well as technological developments and resulting applications.

A wide spectrum of areas will be covered, including waves and electromagnetic fields, both from the point of view of metrology and theory, spread, modelling, etc., and communications systems together with their applications. We will also address environmental electromagnetic propagation, both global (surface and subsurface), ionospheric or through matter in particular plasma and radio astronomy. Electromagnetism in biology and medicine will also be included.

The workshop will be organized around **oral and poster sessions**. Most sessions will be introduced by **invited lecturers** presenting the state of the art and/or recent developments, followed by **regular communications**, which will be selected by the Scientific Committee. The program will be organised around the following (not limited) list of topics. The working languages will be French and English.

#### Topics:

- **Radio science and risk, disaster management, space weather**
- **Earth observation by remote sensing and essential climate variables monitoring**
- **Advanced radars for societal needs**
- **Computational sciences, exact methods, complexity management**
- **Design and modelling of antennas, systems of detection and imaging, antenna systems**
- **Communication systems: 5G, software defined radio, Internet of Things**
- **Metrologies and electromagnetism**
- **Electromagnetism in biology and medicine**

### DATES TO REMEMBER

June 20, 2016:	Preliminary call for papers
July 20, 2016:	Opening of the website for abstracts
<b>October 16, 2016:</b>	<b>Deadline for submission of abstracts</b>
October 31, 2016:	Scientific committee notification to authors
<b>December 20, 2016:</b>	<b>Deadline for full text submissions</b>
January 9, 2017:	Notification of the final acceptance of the full paper
<b>February 1-3, 2017:</b>	<b>JS'17 workshop</b>
February 3, 2017:	List of the selected papers invited for journal publication

All information relating to the workshop can be found on the URSI-France website: <http://ursi-france.mines-telecom.fr>



## ORGANIZATION

### SCIENTIFIC COMMITTEE

**Chairman: Prof Tullio Joseph TANZI**, IMT Télécom ParisTech, France  
Prof. Orhan ALTAN, Istanbul Technical University, Turkey  
Prof. Francesco P. ANDRIULLI, IMT Télécom Bretagne, France  
Michel AUGUIN, CNRS, France  
Prof. Madhu CHANDRA, Chemnitz University of Technology, Germany  
Prof. Monique DECHAMBRE, LATMOS, France  
Jean ISNARD, URSI, France  
Prof. François LEFEUVRE, LPC2E, France  
Prof. Jacques PALICOT, CentraleSupélec, Rennes, France  
Prof. Smail TEDJINI, LCIS, Université Grenoble-Alpes, France

### ORGANIZING COMMITTEE

**Chairman : Jean-Pierre DAMIANO**, UNS  
Michel AUGUIN, CNRS  
Nathalie BUTEL, CNRS  
Joël HAMELIN, URSI-France  
Jean ISNARD, URSI-France  
Alain SIBILLE, IMT Télécom ParisTech  
Hervé SIZUN, URSI-France  
Tullio Joseph TANZI, IMT Télécom ParisTech

## STUDENT AWARD

An **URSI prize of 500 euros** will be awarded by the Scientific Committee for the **best paper presented by a PhD student**.

## YOUNG SCIENTIST GRANT

A **Young Scientist Grant of 300 euros and free registration** will be awarded to a selected paper whose first author's affiliation is European and outside France. The first author must attend the workshop and he/she must be no more than 35 years old.

## PUBLICATIONS – EDITIONS

The papers will be available online via the URSI-France website: <http://ursi-france.mines-telecom.fr>

After selection by the Scientific Committee, some authors will be invited to publish a paper either in a special issue of the "Comptes rendus Physique" of the Academy of sciences or in the "Revue de l'électricité et de l'électronique" (REE).

## SUBMISSION INFORMATION

Communication proposals should be submitted online via the website: [https://webistem.com/bin/usrlogin\\_ursi-f2017?lang=1](https://webistem.com/bin/usrlogin_ursi-f2017?lang=1), with a clear and concise one to two page abstract, for scientific evaluation by the Scientific Committee. For further information on paper submission, please visit the URSI-France website.

## REGISTRATION

**A registration fee of 240 € will be asked** to each participant. It includes, among other, lunches and coffee breaks. A **140 € reduced fee** will be applied to students and seniors.

February 2 evening, a **Gala dinner** will bring together the Workshop participants; **a € 35 fee will be requested**.

With an additional **47 €** you will receive **the special issue** of the "Comptes rendus Physique" of the Academy of Sciences, which will gather the key contributions of the Workshop. It will be sent to you when released, early 2018.

Registration will be made on line via the website: <https://webistem.com/bin/IA/inscr?lang=1&ref=URSI/20> and **before January 28 for the Gala dinner**

## MORE INFORMATION

All information relating to the French National Radio Science Workshop 2017 can be found on the URSI-France website: <http://ursi-france.mines-telecom.fr>



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