



UNIVERSITAT  
POLITÈCNICA  
DE VALÈNCIA



# CALL FOR ABSTRACTS AMPERE 2019

## VALENCIA

9-12 September, 2019

### 17th International Conference on Microwave and High Frequency Heating

The Association for Microwave Power in Europe for Research and Education (AMPERE) is pleased to announce the 17th International Conference on Microwave and High Frequency Heating: AMPERE 2019, the largest event in Europe dedicated to scientific and industrial applications of microwave and radiofrequency power systems.

The AMPERE 2019 conference presents the status and trends in the multidisciplinary fields of microwave and radiofrequency heating, dielectric properties, material processing, high power systems and technologies.

The conference provides many opportunities to researchers and engineers from academia and industry to present their works, exchange innovative ideas, networking, discuss collaborations and to meet with international experts in a wide variety of specialities of microwave and high frequency technologies at both scientific and industrial scale.

### Polytechnic City of Innovation (CPI), VALENCIA

The conference will be held on 9-12 September 2019 in the The Polytechnic City of Innovation (CPI). The CPI is the Science Park of the Universitat Politècnica de València (UPV). The Science Park is conceived as a space, not only in physical terms, to connect university, business and society in order to streamline the generation of knowledge-intensive activities.

Located on the eastern coast of the Mediterranean Sea, Valencia is the third largest city in Spain with a population of around 1.000.000 inhabitants. The city of Valencia has many attractions making it one of the best locations for congresses, tourists and trade in Europe. Thanks to its privileged location in the Mediterranean and a dynamic economy and cultural life, Valencia is enjoying growing prominence amongst other large European cities.



[ampere2019.com](http://ampere2019.com)



## 17th International Conference on Microwave and High Frequency Heating

### INFORMATION FOR AUTHORS

Authors are invited to submit abstracts for presentation addressing the scientific topics covered by the conference. All abstracts and papers will be peer reviewed by the Scientific Committee based on their originality, significance, methodological soundness, and clarity of exposition. All works will be classified in accordance with the scope of the congress and its thematic areas.

Submitted abstracts and papers must follow the template available in the conference webpage. Abstract length must be 1 page incorporating all text, references, figures and tables and must be uploaded in word format. The authors of accepted abstracts will be invited to submit a full paper between 4 to 8 pages. The submission process requires that at least one author should register to attend the conference and present the paper. Accepted papers must be presented in-person as a 15-minute talk or in a poster session. The language for the submissions and presentations is English, which is also the only official language of the conference.

AMPERE 2019 is using the OCS platform of UPV Press to manage the submissions improving the scholarly quality and accessibility of the conference's publications. This platform provides to the authors a homepage where they can register their submissions and make appropriate changes.

Accepted abstracts will appear in the conference's Book of Abstracts printed for the conference. Full papers will appear in the conference proceedings (with ISBN), published by UPV Press, and will be provided with a DOI number and submitted to be indexed in major international bibliographic databases.

The Scientific Committee will select the winners for the Best Paper and Best Student Paper awards of the conference. Outstanding contributions in the field of Industrial Microwave or RF heating will also be awarded with the AMPERE Fellowship, the AMPERE Medal and the newly established Ricky Metaxas Young Researcher Award.

### EXHIBITION & SPECIAL SESSIONS

Workshops, Short Courses and Special Sessions will be organized focusing on the main topics of the Conference. AMPERE 2019 also offers an outstanding exhibition opportunity, visit the conference webpage for further information.

### TOPICS

- Energy Production by Microwaves (including renewable energy and chemicals)
- Microwave and High Frequency Material Interaction
- Design of Microwave Applicators and Components
- Dielectric and Magnetic Material Properties and Measurements
- Microwave Industrial Equipment and Scale-up
- Food Processing
- Medical and Biological Applications
- Radiation Safety and Standards
- Microwave Packaging
- Trends in Microwave Processing
- Plasma processing induced by microwaves (CVD, cleaning, nanoparticles...)
- EM Modelling and Numerical Techniques
- Solid State Microwave Technology
- Microwave and High Frequency Sources and Power Supply
- Microwave Chemistry

### IMPORTANT DATES

10 March 2019	Deadline Abstract Submission
3 May 2019	Notification of acceptance
7 June 2019	Close early bird payment
14 June 2019	Deadline full paper
28 June 2019	Close payment for authors
9 September 2019	Workshops and Short Courses
10-12 September 2019	Conference

### CONFERENCE CHAIRS

Chair: Prof. José M. Catalá-Civera,  
Universitat Politècnica de València, Spain  
chair@ampere2019.com

Co-Chair: Prof. Felipe L. Peñaranda-Foix,  
Universitat Politècnica de València, Spain  
cochair@ampere2019.com

### STEERING COMMITTEE

A.C. Metaxas, AC Metaxas and Associates, UK  
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