



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



SECOND 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

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 abstract. **Accepted abstracts** 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**.

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 FEES

Early Bird* Ampere Member	600€
Ampere Member	650€
Early Bird* non-Ampere Member	650€
Non-Ampere Member	680€
Early Bird* Students	400€
Students	500€
One-day registration †	300€
Short Course ‡	150€
Modeling Workshop ‡	150€
Companions program §	350€

The full conference fee covers admission to the event, participation in all sessions, conference materials, lunches, coffee breaks and all social activities of the conference (including gala dinner). It also includes 2 years AMPERE membership.

* Early bird will be open until June 7, 2019

† One-day registration fee is limited to industrialist (no authors) and on Wednesday (industrial session). This registration fee covers lunches, coffee breaks and all technical and social activities of the conference scheduled on Wednesday.

‡ Short Course and Workshop fees also include lunches and coffee breaks scheduled during the Courses.

§ The Companions fee covers the Companions program events and all social activities of the conference.

EXHIBITION

The exhibition organised during the AMPERE 2019 is an excellent opportunity for exhibitors and sponsors. Please, visit our web for further information.

TECHNICAL PROGRAM

This year's **technical program** of AMPERE 2019 is designed to cover a wide range of technical sessions, plenary talks, short courses, student competition, as well as numerous exhibits in the three-day conference. **Industrial sessions** (Wednesday, September 11th), addressing key topical applications will also be of significant interest during the conference.

The AMPERE 2019 Conference will feature an exceptional **speaking line-up**, including opening plenary speakers and keynote speakers. Leading voices from some of the most influential microwave sectors will enlighten and engage attendees and will ensure you leave the event inspired.

Below is the list of **confirmed plenary and keynote speakers**.

A.C. Metaxas, AC Metaxas and Associates, UK	José M. Serra, ITQ CSIC-UPV, Spain
Jesús Santamaría Ramiro, INA UNIZAR, Spain	Monika C. Balk, Muegge GmbH, Germany
Bala Vaidhyanathan, Loughborough University, UK	Philippe Bergonzo, Seki Diamond Systems, USA
Satoshi Horikoshi, Sophia University, Japan	Peter-A. Püschner, PÜSCHNER Microwave Power Systems, Germany

SHORT COURSE & MODELLING WORKSHOP

Short Course & Modelling Workshop will be held on Monday (September 9, 2019), preceding the AMPERE Conference.

The traditional **Short Course** is a premier event to **introduce** the participants in the fields of microwave and RF heating systems, technologies, and applications in many scientific and industrial processes.

The **modelling workshop** will offer the attendants a general overview of the capabilities and benefits of 3D Electromagnetic simulators packages. This workshop includes a **hands-on session** with the QuickWave-3D professional simulator and experimental verification to provide the attendees a unique experience of the functionality and application of **advanced modeling**.

Both courses are designed to increase the knowledge in the microwave science while offering the experience of **highly regarded experts**.

A detailed program will be posted on the AMPERE Web site.

SOCIAL & COMPANION'S PROGRAM

Ampere 2019 Social Program will provide attendees with many **networking opportunities** over the course of the three-day event. We have included a night beach party, a cocktail in a palace with a flamenco show and for the last night, we will enjoy the gala dinner in a remarkable place in Valencia. These evenings are set in a stimulating and relaxing environment in order to broaden networking opportunities.

All the **companions** will have also a special package that includes a Paella cooking workshop, a Flamenco dance masterclass, a wine and tapas tasting tour and a traditional Albufera boat trip.



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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

SCIENTIFIC COMMITTEE

A.C. Metaxas, AC Metaxas and Associates, UK
Andrzej Stankiewicz, TU Delft, The Netherlands
Antoni J. Canós-Marín, UPV, Spain
Beatriz García Baños, UPV, Spain
Birgitta Raaholt, RISE, Sweden
Cristina Leonelli, UNIMORE, Italy
Daniel R. Slocombe, Cardiff University, UK
Eli Jerby, Tel Aviv University, Israel
Erik Esveld, Wageningen UR, The Netherlands
Felipe L. Peñaranda-Foix, UPV, Spain
Gabriel Llorens Vallés, UPV, Spain
Gary Bond, University of Central Lancashire, UK
Georgios Dimitrakis, The University of Nottingham, UK
Georgios Stefanidis, KU Leuven, Belgium
Guido Link, KIT, Germany
Guido Sturm, TU Delft, The Netherlands
Ioan Calinescu, UPB, Romania
Isabelle Polaert, INSA de Rouen, France
Jean Paul Bernard, SAIREM, France
José D. Gutiérrez-Cano, UPV, Spain
José M. Catalá-Civera, UPV, Spain
Juan Monzó-Cabrera, UPCT, Spain
Junwu Tao, University of Toulouse, France
Koen Van Reusel, KU Leuven, Belgium
Marco Garuti, MKS Instruments, Italy
Marilena Radoiu, Microwave Technologies Consulting, France
Paolo Veronesi, UNIMORE, Italy
Reyes Mallada, UNIZAR, Spain
Yoshio Nikawa, Kokushikan University, Japan
Vaidhy Vaidhyanathan, Loughborough University, UK

CONFERENCE SECRETARIAT

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