

Conference Chairs

G. Dinescu, Bucharest, Romania
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H. Biederman Praga, Czech Republic
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P. Favia, Bari, Italy
C. Focsa, Lille, France
C. Grisolia, Cadarache, France
H. Kersten, Kiel, Germany
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C. Leys, Ghent, Belgium
D. Maric, Belgrade, Serbia
T. Minea, Orsay, France
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E. Stamate, Roskilde, Denmark
M. Vlad, Bucharest, Romania

Local Organizing Committee

T. Acsente, Bucharest
M. Bazavan, Bucharest
C. Borcia, Iasi
C. Costin, Iasi
T. Craciunescu, Bucharest
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C. Porosnicu, Bucharest
V. Satulu, Bucharest
I. Topala, Iasi
C. Vitelaru, Bucharest
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G. Voitcu, Bucharest
M. Zamfirescu, Bucharest

Scientific Secretariat

S.D. Stoica, Bucharest
C. Costin, Iasi

For additional information, please visit [conference website](#), which is regularly updated, or contact the scientific secretariat at e-mail: cppa2021@inflpr.ro

Organizers

- National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania
- Alexandru Ioan Cuza University, Iasi, Romania
- Romanian Physical Society

Sponsoring Organizations

- National Institute for Laser, Plasma and Radiation Physics, Romania;



- Others, to be announced.

Venue

The Conference will be held in Magurele Campus of Physics, located about 12 km from the center of Bucharest, reachable by public transportation.

We are preparing the event for in-person participation or, if the pandemic situation imposes, as a mixed online and in person event.

The conference hall will be selected according to the number of participants in person and complying to the health safety rules.

First Announcement and Call for Papers

19th INTERNATIONAL CONFERENCE ON PLASMA PHYSICS AND APPLICATIONS

&

1st Workshop on Plasma Applications for Smart and Sustainable Agriculture under COST Action CA 19110 – PIAgri

CPPA2021

August 31 – September 3

Magurele, Bucharest, ROMANIA



Important dates

May 15, 2021	Abstract due date
June 15, 2021	Notification of paper acceptance
July 15, 2021	Second Announcement
August 1, 2021	Reduced Registration Fee
August 23, 2021	Final programme
August 31-September 3	Conference

Conference webpage: <http://cppa2021.inflpr.ro>

General Information

The 19th edition of the International Conference on Plasma Physics and Applications focuses on the recent advances in plasma fundamentals and applications, covering a wide variety of topics, including gas discharge physics, plasma sources, plasma diagnostics, material engineering, energy, fusion technology, health, environment and space. The conference, traditionally organized by the Romanian plasma community, will offer excellent conditions for discussion, exchange ideas and establishing contacts.

In agreement with the conference tradition to combine more events related to plasma applications under the same umbrella, on this edition we are organizing the 1st Workshop on Plasma Applications for Smart and Sustainable Agriculture, under COST Action CA 19110 - PIAgri.

Conference topics

- T1. Processes in plasmas, modelling and simulation. Space plasmas;
- T2. Gas discharge physics and plasma diagnostics;
- T3. Plasma sources and reactors at low and atmospheric pressure, dusty plasmas, and laser plasmas;
- T4. Plasma material processing: surface treatment, thin film deposition and etching, plasma assisted micro and nano-fabrication;
- T5. Plasma applications in environment, biology, medicine and agriculture;
- T6. Fusion plasma physics and technology.

Any contribution on plasma physics and applications is welcome.

Passport and visa

Citizens having passports from certain countries may need a visa to enter Romania (please check on <http://www.mae.ro/en>). If you need assistance to obtain visa, please contact the Scientific Secretariat or the Local Organizing Committee.

Only registered participants with accepted contributions to the conference may ask for assistance.

Social Programme

Bucharest is the capital of Romania, a town with an old history and interesting monuments. There are many possibilities for spending your free time in the old city, visiting museums, etc.

The afternoon of Wednesday, September 1st, is devoted to an excursion. The Conference Dinner will be organized on Thursday September 2nd.

Associated Events

1st Workshop on Plasma Applications for Smart and Sustainable Agriculture, under COST Action CA 19110 - PIAgri.

Registration

Registration for participation will be available via the conference website.

Participants who register for the conference are automatically registered also for the Workshop on Plasma Applications for Smart and Sustainable Agriculture.

	Before August 1	After August 1	Online participation
Regular fee	200 €	250 €	100 €
Student fee*	100 €	120 €	0 €

*Students have to provide evidence for University registration.

Programme

The Conference will combine:

- *Plenary* sessions with invited and oral presentations;
- *Poster* sessions;
- *Young scientist's* awards.

Submission of Contributions

Authors are invited to submit their contributions using the [online submission system](#) which can be found on the conference webpage. In exceptional cases, we can accept abstracts submitted via e-mail to: cppa2021@inflpr.ro.

The abstract must be written in English, using MS Word; they should contain at least 1500 characters, including spaces and should not exceed one B5 page.

Use Envelope B5 format paper of the page (17.6 cm width x 25 cm height); with 2.5 cm margins on top, bottom and lateral sides. Please use Times New Roman font at single line spacing. The title (Times 12, bold, centered) is followed by an empty line and the authors names (Times 10, normal, centered) and their affiliation, address for communication, fax number, email address (Times 10, Italic, centered). The presenting author should be underlined. Leave two empty lines and proceed with the main text (Times, 10, justified left and right). The abstract should outline the performed work, methodology and results. At the end of the abstract, provide a list of 3-5 relevant keywords.

Please suggest a classification of your contribution according to the listed main topics and indicate whether you prefer an oral or a poster presentation.

Only word format (doc, docx) files should be submitted.

An [abstract template](#) can be downloaded from the conference website.

The deadline for abstracts submission is May 15, 2021. The abstracts will be reviewed by the scientific committee. The presenting author will be notified of acceptance or rejection of his/her abstract around June 15, 2021.

All the accepted abstracts will be included in the Book of Abstracts, with ISSN 2344-0481.

Language

The official language of the Conference is [English](#).

First Announcement and Call for Papers

1ST WORKSHOP ON PLASMA APPLICATIONS FOR SMART AND SUSTAINABLE AGRICULTURE under COST Action CA 19110 - PIAgri



**2 - 3 September 2021
Magurele, Bucharest, ROMANIA
Important dates**

May 15, 2021	Abstract due date
June 15, 2021	Notification of paper acceptance
July 15, 2021	Second Announcement
August 1, 2021	Reduced Registration Fee
August 23, 2021	Final programme
September 2-3, 2021	Workshop

Workshop webpage:

<https://cppa2021.inflpr.ro/workshop.html>

Registration Fees

	Before August 1	After August 1	Online
Regular fee	120 €	150 €	0 €
Student fee**	80 €	100 €	

*Students have to provide evidence for University registration.

Workshop Chair

B. Mitu, Romania

International Scientific Committee

- W. Gernjak, Girona (ES) ● A. Nikiforov, Gent, (BE)
- M. Gherardi, Bologna, (IT) ● J. Pawlat, Lublin (PL)
- F. Krčma, Brno (CZ) ● M. Măgureanu, Bucharest (RO)
- K. Kutasi, Budapest, (HU) ● G. Primc, Ljubljana (SI)
- N. Puać, Belgrade (RS)

Local Organizing Committee

- F. Bilea, Bucharest L. G. Carpen, Bucharest
- C. Brađu, Bucharest M. Gîdea, Bucharest
- C. Chireceanu, Bucharest I. Topală, Iasi

Scientific Secretariat - S.D. Stoica, Bucharest

Organizers

- National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania (NILPRP)
- European Cooperation in Science and Technology - COST

General Information

The 1st Workshop on Plasma Applications for Smart and Sustainable Agriculture under COST Action CA19110 – PIAgri is marking the first year of Action implementation. As such, it intends to establish the adequate frame for scientists, both from inside and outside COST network, to present the state-of-the-art in the field of plasma agriculture.

A series of invited speakers, as well as oral presenters will be revealing different aspects of plasma applications for the treatment of seeds, plants, and soils, for the improvement of wastewater, manure, and food, and for the production of plasma -activated water. The participants will be acquainted to the opportunities for developing plasma processes and technologies in various fields related to agriculture.

The event is jointly organized with the 19th International Conference on Plasma Physics and Applications (CPPA2021), which starts on August 31, 2021.

Workshop topics

- Low-temperature plasma treatment of seeds;
 - Low-temperature plasma treatment of plants and soils;
 - Plasma treatment of agricultural wastewater, growth media, manure and production of plasma activated water (PAW);
 - Applications of plasma processes and technologies in food industry.
- Any contribution on plasma applications in agriculture is welcomed.

Submission of Contributions

Authors are invited to submit their contributions using the [online submission system](#) which can be found on the workshop webpage. In exceptional cases, we can accept abstracts submitted via e-mail to: cppa2021@inflpr.ro. **Only word format (doc, docx) files should be submitted.** The abstract must be written in English, using MS Word; it should contain at least 1500 characters, including spaces, and should not exceed one B5 page.

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Please suggest a classification of your contribution according to the workshop topics and indicate whether you prefer an oral or a poster presentation.

An [abstract template](#) can be downloaded from the website.

The deadline for abstracts submission is May 15, 2021. The abstracts will be reviewed by the scientific committee. The presenting author will be notified of acceptance or rejection of his/her abstract around June 15, 2021. All the accepted abstracts will be included in the Book of Abstracts of CPPA2021 and Workshop, with ISSN 2344-0481.

Language

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