

# First Announcement

## X<sup>th</sup> International Workshop on MICROWAVE DISCHARGES: Fundamentals and Applications



Zvenigorod, Russia  
September 3 – 7, 2018

### Dear Colleague

The International Scientific Committee (ISC) and the Local Organizing Committee (LOC) would like to invite you to participate in the 10-th International Workshop on Microwave Discharges: Fundamentals and Applications, from Monday 3th to Friday 7th, September 2018 (arrival at September 2, departure at September 7 after 4 pm), which will take place in Zvenigorod (Russia) in the Rest Home of the Russian Academy of Sciences located 50 km to the North-West of Moscow in a picturesque place of the Moscow region close to Zvenigorod town. This region is known as "Russian Switzerland".

### General Information

International Workshop "Microwave Discharges: Fundamentals and Applications" is a three year periodical meeting which is held by turns in Russia and out of it. The main purpose is to discuss recent achievements in the study of microwave plasma, to identify directions for future research, and to promote close relationship between scientists from different countries.

### Calendar

of the International Workshops "Microwave Discharges: Fundamentals and Applications"

- 1992, May 11-15, NATO ARW Workshop, Vimeiro, Portugal. Director C.M. Ferreira
- 1994, September 5-8, Zvenigorod, Russia. Chairman A.A. Rukhadze
- 1997, April 20-25, Fontenvraud, France. Chairman J. Marec
- 2000, September 18-22, Zvenigorod, Russia. Chairman Yu.A. Lebedev
- 2003, July 08-12, Greifswald, Germany. Chairman A. Ohl

- 2006, September 11-16, Zvenigorod, Russia. Chairman Yu.A. Lebedev
- 2009, September 22-27, Hamamatsu, Japan. Chairman M.Kando
- 2012, September 10-14, Zvenigorod, Russia. Chairman Yu.A. Lebedev
- 2015, September 7-11, Cordoba, Spain. Chairman A. Gamero

### Conference Scope

The scientific program covers all modern aspects of microwave discharges connecting fundamental research and applications. The preliminary topics of the workshop are:

- methods of microwave plasma generation,
- high and low pressure microwave discharges,
- continuous wave and pulsed microwave discharges,
- interaction of microwaves with a plasma,
- discharge modeling, and diagnostics,
- application of microwave plasma (surface treatment, etching, film deposition, growth of structures, ecology, improvement of burning process, light sources, plasma medicine, analytical chemistry, etc).

Selected topics of closely-related gas discharges problems can be also discussed.

The program will consist of general lectures (35 min), topical lectures (20 min) and poster presentations. Parallel sections are not planned.

### International Scientific Committee

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### Organizers

- Federal Agency for Scientific Organizations of Russia
- Russian Academy of Sciences
- The United Physical Society of the Russia
- Scientific Council of RAS on Physics of Low temperature plasma
- Scientific Council of RAS on Plasma Physics
- Topchiev Institute of Petrochemical Synthesis of RAS
- Prokhorov General Physics Institute of RAS
- Science and Technology Center PLASMAIOFAN

**Information support:** Association for Microwave Power in Europe for Research and Education (AMPERE)

### Registration fee

The registration fee includes full accommodation during the Workshop, one copy of books of abstracts and proceedings, welcome reception, conference banquet, excursion and daily refreshments during the breaks. Full accommodation in single rooms is included from September 2 (after 4 pm) to September 7 (before 4 pm), with breakfast, lunch and dinner. The fee for accompanying persons includes welcome reception, conference banquet, excursion and full accommodation in single or double rooms.

	Early	Final
Regular	950 €	1000 €
Regular for EPS members	850 €	900 €
Student	500 €	550 €
Accompanying person	615 €	675 €

**Talks and Paper Presentations** The program will consist of general lectures (35 min), topical lectures (20 min) and poster presentations. The International Scientific Committee (ISC) will select speakers to give general and topical lectures and for poster presentations. To allow the selection, one page abstract is required. Abstracts will be published in a booklet and it will be handed out at the beginning of the Workshop. The Workshop proceedings will be refereed and published as a book or CD-ROM after the Workshop. Participants are requested to submit the articles: up to 10 A4 pages for plenary talks, up to 6 A4 pages for topical talks, up to 4 A4 pages for posters. The LOC will send the Proceedings to all participants immediately after

publishing. For publishing the article it is necessary that at least one of the authors is participated.

**Details** of guidelines for the abstract and paper, fees payment will be given on Web-page of the Workshop.

### Important Deadline Dates

First Announcement	10 October 2017
Online pre-registration	15 October – 31 December 2017
Abstract Submission	up to 1 March 2018
Second Announcement :	15 April 2018
Early payment	before 1 June 2018
Final payment	15 July 2018
Invitation letter	after the payment

### Contact

**Workshop Web-page:**

<http://www.fpl.gpi.ru/md-10>

**E-mail:** [md-10@ips.ac.ru](mailto:md-10@ips.ac.ru)

**Address:**

Yuri A. Lebedev  
 Topchiev Institute of Petrochemical Synthesis of the Russian Academy of Sciences, Leninsky Prospect, 29, Moscow, 119991, RUSSIA  
 E-mail: [lebedev@ips.ac.ru](mailto:lebedev@ips.ac.ru)

Please, spread this information among your colleagues.

**Please note!**

***The second announcement will be submitted by e-mail to the pre-registered participants only.***