



## INVITATION

You are cordially invited to participate in the Eighth International Workshop & Summer School on Plasma Physics at Black Sea from Sunday, 10 June to Sunday, 17 June 2018.

## GENERAL INFORMATION

**Summer School:** The school would bring together leading researchers in the field of Plasma Physics to give lecture on their specialties to advanced graduate students, postgraduate students and young scientists in the form of a one-week intensive course.

Scientists experienced in other disciplines who have recently entered the fields of plasma physics or nuclear fusion will also benefit from the school, which provides an overview of the various interconnected research domains and describes the latest developments. Graduates and teachers of science are welcome, as is anyone with an interest in the subject.

The 40-minute key lectures will be given by senior physicists in their field. Participants (PhD, Master students and young scientists) are strongly encouraged to present their own work during the afternoon sessions as 20-minute oral presentations or as posters.

## SCIENTIFIC PROGRAM

### TOPICS

- *Fusion Plasma and Materials*
- *Plasma Modeling and Fundamentals*
- *Plasma Sources, Diagnostics and Technology*

### WORKSHOPS

- **Workshop PEGASUS**

#### **Plasma Enabled and Graphene Allowed Synthesis of Unique Nano Structures**

*Co-organizer: Institute of Plasmas and Nuclear Fusion, Lisbon, Portugal*

The project PEGASUS embodies plasmas driven controllable design of matter at atomic scale level. To this end, PEGASUS ultimate goal is to create a highly efficient, catalyst/harmful-free novel plasma method along with a proof-of-concept PEGASUS device for a large-scale N-graphene direct synthesis, as well as N-graphene/metal oxides nanocomposites and unique vertical N-graphene arrays grown on metal substrates, via breakthrough research on plasma-enabled singular assembly pathways. The project will be developed under the coordination of Dr Elena Tatarova and her team with the Plasma Engineering Laboratory at IPFN, joining a consortium that involves IST (Portugal), Centre National de la Recherche Scientifique (France), Institut Jozef Stefan (Slovenia), Kiel University (Germany), Sofia University (Bulgaria) and Charge2C-Newcap Lda (Portugal).

PEGASUS is a FET-Open European project funded by the H2020 program of EU.

- **Remote GOLEM operation**

*Co-organizer: Czech Technical University, Prague*

***The official language of the Workshop and the Summer School is English.***

## INTERNATIONAL ADVISORY COMMITTEE

Alexander Blagoev	(Bulgaria)	Ivan Zhelyazkov	(Bulgaria)
Antonio Gamero	(Spain)	Jan Stöckel	(Czech Republic)
Antonio Sola	(Spain)	Joost van der Mullen	(The Netherlands)
Barry Green	Honorary member	Jean-Marie Noterdaeme	(Germany, Belgium)
Elena Tatarova	(Portugal)	Roger Jaspers	(The Netherlands)
Evgenia Benova	(Bulgaria)	Roman Schrittwieser	(Austria)
Francisco Dias	(Portugal)	František Krčma	(Czech Republic)
Gheorghe Popa	(Romania)	Tsviatko Popov	(Bulgaria)
Igor Kossyi	(Russia)	Valery Godyak	(USA)
Ivan Ganachev	(Japan)	Yuri Lebedev	(Russia)

## LOCAL ORGANISING COMMITTEE

**E. Benova** (*Chairperson*, University of Sofia)

**Tsv. Popov** (*Secretary*, University of Sofia)

**M. Dimitrova** (Bulg. Academy of Sci., Sofia)

**M. Atanasova** (University of Sofia)

**T. Bogdanov** (Medical University, Sofia)

**P. Marinova** (University of Sofia)

## LOCATION AND TIME

The Summer school will be held from 10<sup>th</sup> to 17<sup>th</sup> of June 2018 in the resort of Kiten near the town of Bourgas, Bulgaria. Kiten is located on the Bulgarian south Black Sea coast.



## ACCOMMODATION

All participants will be accommodated at the hotel in Kiten. A full board accommodation is included in the participation fee.

## SOCIAL PROGRAM

The social program includes a welcome party, an excursion and a banquet.

## PROCEEDINGS

Authors who wish to present a paper are requested to send a short abstract up to 1 page by **March 30, 2018**. The requirements for the abstracts can be found at the conference website.

Papers submitted until **June 1, 2018** will be published in Journal of Physics: Conference Series after refereeing.

## DEADLINES TO REMEMBER

<b>February 15 – March 30, 2018</b>	Pre-registration
<b>March 30, 2018</b>	Submission of abstracts
<b>April 15, 2018</b>	Second Announcement and acceptance notification
<b>May 10, 2018</b>	Early registration and fee payment
<b>June 1, 2018</b>	Submission of paper
<b>June 10, 2016</b>	Arrival and Registration
<b>June 10–17, 2018</b>	Summer School & Workshop sessions
<b>June 17, 2018</b>	Departure Date

## PARTICIPATION FEE

The participation fee, free from any transfer expenses, is:

	before May 10 <sup>th</sup>	after May 10 <sup>th</sup>
Regular	€ 550	€ 650
Students	€ 400	€ 500
Accompanying person	€ 400	€ 400

The participation fee covers: *registration, full board accommodation (hotel, breakfast, lunch and dinner), coffee-breaks, proceedings, and the social program.*

It should be transferred to:

### **First Investment Bank**

**"Narodno sabranie 2" Branch**

**3, Narodno sabranie Sq.**

**1000 Sofia, Bulgaria**

**Account:**

**IN EUR:**

**IBAN: BG24FINV91501215925928**

**BIC/SWIFT: FINVBGSF**

**Beneficiary: PLASMER Foundation**

**Beneficiary Address: 27, Kosta Lulchev str., 1111 Sofia, Bulgaria**

**Participation fee for iwsspp 2018 and participant name**

*Students who would like to join this summer school can apply for funding via [FuseNet's funding page](#).*

## APPLICATION FORM

All who are interested to attend the Seventh International Workshop & Summer School on Plasma Physics at Black Sea please fill out the online Application form on the conference website: [iwsspp.plasmer.org](http://iwsspp.plasmer.org)

## CONTACTS

**LOC**

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