

**1<sup>st</sup> INTERNATIONAL WORKSHOP ON  
FRONTIERS OF X&XUV OPTICS AND ITS APPLICATIONS**

**1\_IW FX&XUVOA**

**26-27 October 2015, Prague, Czech Republic**

Ladies and gentlemen

we are pleased to announce the 1<sup>st</sup> International Workshop on Frontiers of X&XUV Optics and its Applications to be held in the conference room of the Institute of Plasma Physics AS CR, Prague, Czech Republic, on October 26-27, 2015.

**PURPOSE:**

Academy of Sciences of the Czech Republic recently announced 14 research programs focused on topics of public interest. There belong among others “Systems for nuclear energetics” coordinated by Institute of Plasma Physics AS CR, “Efficient transformation and storing of energy” coordinated by Institute of Thermomechanics, and “Diagnostic methods and techniques” coordinated by Institute of Scientific Instruments, Brno. The announced Workshop represents a kick-off meeting opening one branch of this research in the frame of “Diagnostic Methods and Techniques” public-interest oriented program.

This 1\_IW FX&XUVOA is attached to ELI Beamlines Scientific Challenges 2015 meeting (<http://www.eli-beams.eu/cs/blog/eli-events/eli-beamlines-scientific-challenges-2015/>) that begins on October 19, 2015 and can be extended till October 23, 2015 according to number of contributions. The ELI meeting will be held in the new building ELI Beamlines in Dolní Brezany near Prague and it will combine the conference with a prospective user meeting to introduce the experimental capabilities and organizational support.

Detail information on 1\_IW FX&XUVOA will be soon available on the Workshop site [www.isibrno.cz/x&xuv](http://www.isibrno.cz/x&xuv).

**THEMATIC AREAS AND TOPICS COVERED BUT NOT RESTRICTED TO:**

**Thematic area 1: Optical elements for X&XUV region:** preparation of substrates and their diagnostics; preparation of reflecting (multilayer) structures, their design, diagnostics, aging; preparation of other elements (pinholes, Fresnel lenses, diffraction gratings for Talbot imaging as well as for spectroscopy, etc.).

**Thematic area 2: Application of optical elements to imaging and focusing:** imaging of various objects by incoherent or coherent radiation (magnifying and de-magnifying projections), nanostructuring of solid surfaces, focusing of radiation for radiation-matter interaction studies and related metrology, etc.

**Thematic area 3: Application of optical elements to spectroscopy and interferometry:** spectroscopy of X&XUV radiation, interferometry with X&XUV radiation, etc.

**ABSTRACT SUBMISSION AND FORMAT:**

One page abstract is to be submitted electronically on the workshop address [x&xuv@isibrno.cz](mailto:x&xuv@isibrno.cz) till August 28, 2015.

Printable size is width x height = 16 cm x 24 cm, it means for A4 paper margins: top 2.5 cm, bottom 3.2 cm, left/right 2.5 cm. Title of the abstract in capital letters, bold, centred, Times new roman, font size 12. Two line spaces. Authors names (full given name, family name),

centred, Times new roman, font size 12. One line space. Institute's name and address, centred, Times new roman, font size 10. Two line spaces. Abstract text justified, single spaced, Times new roman, font size 12. References, if any, should be given in Arabic numbers in square brackets and listed after the text. The corresponding author's name, address and E-mail should be given at the end of abstract.

Please, prepare the abstract in an editable MS Word or equivalent software for the ease of necessary editorial work.

### **PAPERS:**

Guidelines for paper formatting will be given later-on on the Workshop web page [www.isibrno.cz/x&xuv..](http://www.isibrno.cz/x&xuv..)

All the papers presented during Workshop will be published on CD-ROM or USB memory stick. Page limit is not given. No copyright is required.

In addition, the manuscripts related to the topic covered by "Laser and particle beams" can be submitted to LPB as regular papers. There is also no page restriction, but shorter papers than 4 printed pages are not acceptable. The web-submission system is >

<http://journals.cambridge.org/action/displayJournal?jid=LPB>

### **WORKSHOP REGISTRATION FEE:**

- Participants with Workshop contribution ~0 EUR\*
- Participants without Workshop contribution 30 EUR

\* in case of huge interest a small fee (supporting refreshment item of the budget) will be announced

### **IMPORTANT DATES:**

- |  |               |                                |
|--|---------------|--------------------------------|
| • Registration   | August 28,    | 2015                           |
| • Abstract submission                                    | August 28,    | 2015                           |
| • Author notification about the abstract                 | September 18, | 2015                           |
| • Preliminary program                                    | October 2,    | 2015                           |
| • Manuscript submission<br>(1 copy and USB memory stick) | October 26,   | 2015<br>at the conference desk |
| • Registration fee (if any)                              | October 26,   | 2015<br>at the conference desk |

### **WORKSHOP VENUE:**

Conference room of the Institute of Plasma Physics, Academy of Sciences of the Czech Republic, v.v.i., Za Slovankou 1782/3, 182 00 Prague 8, Czech Republic

A general information about transportation can be found on the web page of IPP AS CR (<http://www.ipp.cas.cz/>), left menu "How to reach us"; a more detail information about individual means of transport are specified on the page "How to reach us", top left menu "when arriving by Air, Train, Car, None of these"; the bottom line of the page "None of these" offers you an additional option.

### **ACCOMMODATION:**

No accommodation is provided. The nearest hotels are listed on the web page of IPP AS CR (<http://www.ipp.cas.cz/>), left menu "How to reach us", top right menu "Accommodation".

### **BANKING IN THE CZECH REPUBLIC:**

Local financial transactions are carried out in Czech Crowns (CZK). All major foreign currencies and travellers cheques can be exchanged in all banks and Government-authorised money exchange counters. Most major credit cards like American Express, Master and Visa cards are accepted in big hotels and shopping centres. However, you are advised to buy Czech Crowns on your arrival for immediate requirement. All VISA and other major cards can also be used in the ATMs to withdraw local cash. Check with your bank if your card will work. The present exchange rate can be found on the web page of the Czech National Bank (<http://www.kurzy.cz/kurzy-men/>) in Czech language; in average 27.5 CZK per 1 EUR.

### **VISA:**

The Czech Republic is a part of Schengen Visa Zone. For visa information/application consult, please, web page <http://www.schengenvisainfo.com/>.

### **CLIMATE IN PRAGUE:**

Prague has a marine west coast climate and as such experiences rain all year round. Prague also experiences four distinct seasons of spring, summer, autumn and winter. Though there is a difference between the amount of rainfall for each month on average, the number of days that it rains per month is fairly consistent with around 12 days experiencing rain every month (see in more detail <http://www.worldweatheronline.com/Prague-weather-averages/Hlavni-Mesto-Praha/CZ.aspx> , <http://www.prague.climateps.com/> ). The actual weather forecast could be found on the web page of the Czech Hydrometeorological Institute [http://www.chmi.cz/portal/dt?portal\\_lang=en&menu=JSPTabContainer/P1\\_0\\_Home](http://www.chmi.cz/portal/dt?portal_lang=en&menu=JSPTabContainer/P1_0_Home) .

### **ELECTRICITY:**

The power supply in the Czech Republic is 220-240 V/50 Hz. The common plug & socket types could be found on web page <http://www.worldstandards.eu/electricity/plugs-and-sockets/> as types "C", "E", and "F".

### **CONTACT DETAILS:**

	E-mail:	Phone:
• Dr. Jaroslav Sobota, Workshop Chair	<a href="mailto:sobota@isibrno.cz">sobota@isibrno.cz</a>	+420 5-4151-4256
• Dr. Karel Kolacek, Workshop Co-chair	<a href="mailto:kolacek@ipp.cas.cz">kolacek@ipp.cas.cz</a>	+420 2-6605-3224

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**REGISTRATION FORM:**

Last date for sending the form to the conference E-mail [x&xuv@isibrno.cz](mailto:x&xuv@isibrno.cz) is August 28, 2015.

1. Name of the participant

Family name:

First name:

Middle name:

Title (Prof., Dr., Mr., Ms.):

2. Nationality:

3. Address for correspondence

Institute name & address:

Tel.:

E-mail:

4. Date of birth:

5. Gender (Male / Female):

6. Title of Abstract:

7. Category of the topic

Further announcement will be sent to all the registered participants.