

1st announcement and call for papers

**3rd INTERNATIONAL WORKSHOP ON
FRONTIERS OF X&XUV OPTICS AND ITS APPLICATIONS**

3_IW FX&XUVOA

4-6 October 2017, Prague, Czech Republic

Ladies and gentlemen

we are pleased to announce the 3rd 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 4-6, 2017.

PURPOSE:

Academy of Sciences of the Czech Republic 3 years ago 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 next periodical meeting of this kind that covers one branch of the research performed in the frame of “Diagnostic Methods and Techniques” program, one of those oriented on topics of public-interest as mentioned above.

Detail information on 3_IW FX&XUVOA will be soon available on the Workshop site <http://www.isibrno.cz/x&xuv/>.

THEMATIC AREAS AND TOPICS COVERED BUT NOT RESTRICTED TO:

Thematic area 1: Sources of X&XUV radiation: self-amplified spontaneous emission (SASE) of free electron lasers (FELs), high harmonics, discharge- or laser-crated plasma based lasers and their characteristics (energy, power, divergence, coherence transversal / longitudinal, ...).

Thematic area 2: 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 3: 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 4: 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 till August 25, 2017.

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, middle initials, 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:

No textual form of papers is required.

All lectures and posters 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 <https://www.cambridge.org/core/journals/laser-and-particle-beams>.

WORKSHOP REGISTRATION FEE:

- Participant or acc. person before September 15 ~30 EUR* or equivalent in USD or CZK
- Participant or acc. person after September 15 ~50 EUR* or equivalent in USD or CZK

* in case of huge interest the fee can be a little bit increased (supporting refreshment item of the budget), in case of small interest the fee can be partly reimbursed

The registration fee should be paid by bank transfer; the necessary data are given below:

Account (Beneficiary) Name:	Ústav přístrojové techniky AV ČR, v. v. i.
Beneficiary Address:	Královopolská 147, 612 64 Brno, Czech Republic
Beneficiary Bank Name:	Československá obchodní banka, a.s.
Beneficiary Bank Address:	Veveří 111, 616 00 Brno, Česká republika
BIC (SWIFT)	CEKOCZPP
Beneficiary Account No for EUR	175940715 / 0300
Beneficiary IBAN No for EUR	CZ76 0300 0000 0001 7594 0715
Beneficiary Account No for USD	372707963 / 0300
Beneficiary IBAN No for USD	CZ85 0300 0000 0003 7270 7963
Beneficiary Account No for CZK	372707963 / 0300
Beneficiary IBAN No for CZK	CZ85 0300 0000 0003 7270 7963
Variable code	(to be provided at Abstract approval)
Constant Symbol	(not obligatory)
Beneficiary Specific Code	648005

IMPORTANT DATES:

- Registration form (x&xuv@isibrno.cz) August 25, 2017
- Abstract submission (x&xuv@isibrno.cz) August 25, 2017
- Author notification (abstract acceptance, variable symbol for payment) September 6, 2017
- Registration fee (see above) September 15, 2017
- Program September 29, 2017
- Lecture or poster submission (on USB memory stick at the conference desk) October 4, 2017

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/>), top pop-up menu “About IPP”, third item from the top “Contact”, below the map; a more detail information about individual means of transport (train, plane, car) are specified on the same page, 2nd paragraph below the map.

ACCOMMODATION:

No accommodation is provided. The nearest hotels are listed on the web page of IPP AS CR (<http://www.ipp.cas.cz/>), top pop-up menu “About IPP”, third item from the top “Contact”, 3rd paragraph below the map (list of hotels).

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.

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:

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| | E-mail: | Phone: |
| • Dr. Jaroslav Sobota, Workshop Chair | sobota@isibrno.cz | +420 5-4151-4256 |
| • Dr. Karel Kolacek, Workshop Co-chair | kolacek@ipp.cas.cz | +420 2-6605-3224 |

Registration form

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REGISTRATION FORM:

Last date for sending the form to the conference E-mail x&xuv@isibrno.cz is August 25, 2017.

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.