



XXVIII

INTERNATIONAL CONFERENCE ON PHENOMENA IN IONIZED GASES

JULY 15-20, 2007 PRAGUE CZECH REPUBLIC

FIRST ANNOUNCEMENT

Dear colleague,

The International Scientific Committee and the Local Organizing Committee are pleased to invite you to participate in the XXVIII International Conference on Phenomena in Ionized Gases (ICPIG), which will be held in Prague, Czech Republic, July 15-20, 2007.

GENERAL INFORMATION

The conference is being organized by the Institute of Plasma Physics (IPP), the Academy of Sciences of the Czech Republic, with the participation of the Faculty of Electrical Engineering, Czech Technical University (CTU) and the Faculty of Mathematics and Physics of Charles University (CU), all in Prague. Conference Partners Ltd. is the conference manager.

The working language of the conference will be English. No translations will be provided. All printed matter will appear in English.

CONFERENCE LOCATION AND DATE

City of Prague is easily accessible by air. Prague area is served by Ruzyně International airport (PRG) located 10 km northwest of the city center and accessible within 30 minutes by Prague public transport. Other recommended options include IC&EC trains, EUROLINES buses, and by car through Highways D1 (from Slovakia and Austria) and D5 (from Germany).

The ICPIG 2007 will begin with registration on Sunday, July 15 and will end with a closing ceremony on Friday, July 20. The conference will take place at the Congress Center of the Top Hotel Praha in the Prague 4 city district. The hotel is located approximately 25 minutes from the city centre to the south and easily accessible by Metro and city buses. Buses stop directly at the hotel entrance.

SPONSORED BY

- International Union of Pure and Applied Physics (IUPAP)
- Wiley-VCH Verlag GmbH & Co. KGaA

IUPAP SPONSORSHIP

The organizers have provided assurance that XXVIII International Conference on Phenomena in Ionized Gases will be conducted in accordance with IUPAP principles as stated in the ICSU-Document, "Universality of Science" (sixth edition, 1989), regarding the free circulation of scientists for international purposes. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality or political considerations unrelated to science.

SCIENTIFIC PROGRAM

The ICPIG covers nearly all aspects of phenomena in ionized gases. It explores not only the fundamentals of all kinds of plasmas and electrical discharges, but also many applications such as plasma semiconductor processing, surface treatment and thin film technology, light sources and gaseous lasers, environmental protection and pollution control, sterilization and tissue engineering. Detailed information on the conference topics will be provided in the second announcement and on the conference website.

The scientific program will consist of invited general and topical lectures, the Von Engel Prize lecture, two parallel conference workshops and poster presentations. The invited speakers for general and topical lectures will be selected by the International Scientific Committee.

WORKSHOPS

Two conference workshops on "Pulsed electrical discharges in water: fundamentals and applications" and "Physics and applications of pulsed high-current capillary discharges" will take place in parallel. The invited speakers for both workshops will be selected by the LOC. We expect that several outstanding contributed papers clearly reflecting the scope of the workshops will be selected for oral presentation.

Workshop A: "Pulsed electrical discharges in water: fundamentals and applications"

The topics of this workshop are the scientific challenges related to fundamentals of pulsed discharges initiated in slightly conductive liquid water solutions, and emerging environmental, biological and other technological research opportunities. The workshop is organized by Prof. Pavel Šunka (IPP).

Workshop B: "Physics and applications of pulsed high-current capillary discharges"

The subject of this workshop are scientific challenges and technological applications of high-current capillary discharges pinching into a nearly uni-dimensional dense plasma column that is composed of a quasi-neutral mixture of very hot electrons and multiple-charged ions (partly or fully stripped atoms). The workshop is organized by Dr. Karel Koláček (IPP).

VON ENGEL PRIZE

The "Von Engel prize" was established in 1998. It is sponsored by the "Hans von Engel and Gordon Francis Fund" and is administered by the Board of Physical Sciences, University of Oxford. The prize, consisting of 1000 USD and a certificate, is awarded every two years to an individual for work in the field of physics and technology of plasmas and ionized gases, as covered by ICPIG meetings. Selection is based on either long-standing and important contributions to the field, or an outstanding achievement giving new impulse to the field, or both.

IUPAP EARLY CAREER AWARD IN PLASMA

PHYSICS 2007

On the occasion of ICPIG 2007, the IUPAP Early Career Award in Plasma Physics will be bestowed for the first time. The award consists of \$ 1000 and a medal. In addition, the conference fee will be waived for the prize winner. The recipient of the prize should at most have 8 years of post PhD research on July 1, 2007. He/she should have performed original work of outstanding scientific quality in the area of the physics of low temperature plasmas. Detailed information on nomination procedure will be provided in the second announcement and on the conference website.

ICPIG 2007 POSTER PRIZES

We are happy to announce that Wiley-VCH will sponsor three Poster Prizes (Plasma Processes & Polymers Awards) which will be given to the best posters presented at the XXVIII ICPIG. Each award will consist of a one year subscription for Plasma Processes & Polymers and 150 Euro worth of Wiley books. The best posters will be

selected by the International Scientific Committee. In addition to the substantial and graphical quality of the poster, its compliance with the related paper will be taken into account. Detailed information on nomination procedure will be provided in the second announcement and on the conference website.

PROCEEDINGS

The conference proceedings will be available on a CD-ROM. Invited speakers will have the opportunity to submit manuscripts based upon their presentation to a refereed journal. The special ICPIG 2007 issue is likely to be published as a subsection of a regular issue of Plasma Sources, Science and Technology, and the peer-review process for all articles will be arranged the IOP.

ACCOMMODATION

The hotel reservations will be handled by the Conference Partners agency. Besides accommodations at the Top Hotel Praha, several 2*-5* hotels around the city center will be available as well as a limited amount of low-cost accommodations. Detailed information will be provided in the second announcement and on the conference website.

TOP HOTEL ACCOMMODATION ICPIG 2007 PRICE-LIST *

	Single	Double
Garni:	920 CZK	1190 CZK
Standard:	2340 CZK	3140 CZK
Executive:	3230 CZK	3680 CZK

* price includes all taxes, breakfast and admission to the Wellness Center

SOCIAL EVENTS

The social program of the conference will include a welcome party, conference dinner and excursions both through Prague's historical downtown area and to the nearby Central Bohemia region. A post-conference tour to South Bohemia will complement the main program. Please note that any tour can take place only if a sufficient number of people participate.

IMPORTANT DATES AND DEADLINES

On-line pre-registration	open
Second announcement & Call for papers:	November, 2006
Paper submission deadline:	April 1, 2007
Acceptance notification deadline:	April 30, 2007
Regular fee payment deadline:	May 15, 2007
Payment deadline for the inclusion of a paper in proceedings & full refund deadline:	May 31, 2007
Final announcement & conference program	July, 2007

REGISTRATION

The registration fee includes conference participation, proceedings, welcome reception and coffee breaks. For accompanying persons, it includes the welcome reception and City Tour Prague.

REGISTRATION FEES

	Early*	Late**
Regular:	400 €	450 €
Student:	250 €	300 €
Accompanying person:	50 €	50 €

* before May 15, 2007 ** from May 15, 2007

Participants who pay regular/student, early/late fee but then cannot attend the following procedure will apply. Full refund deadline May 31, 2007. Cancellation fee 50 EUR from June 1, 2007 till start of the conference. No refund after start of the conference.

INTERNATIONAL SCIENTIFIC COMMITTEE

J. Mizeraczyk (chair, Poland)
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LOCAL ORGANIZING COMMITTEE

M. Šimek (chair, IPP)
 L. Beranová (IPP)
 J. Glosík (CU Prague)
 T. Kavka (IPP)
 S. Pekárek (vice-chair, CTU Prague)
 V. Prukner (IPP)
 J. Schmidt (IPP)
 P. Šunka (IPP)

CONFERENCE INFORMATION

For receiving up-to-date information please pre-register through the conference website:
<http://icpig2007.ipp.cas.cz>

SCIENTIFIC SECRETARIAT

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