



XXIX

INTERNATIONAL CONFERENCE ON
PHENOMENA IN IONIZED GASES

July 12-17, 2009 Cancún, México



FIRST ANNOUNCEMENT

Dear colleague,

The International Scientific Committee and the Local Organizing Committee are pleased to invite you to participate in the XXIX International Conference on Phenomena in Ionized Gases (ICPIG), which will be held in Cancún, México, on July 12-17, 2009.

GENERAL INFORMATION

The XXIX ICPIG is being organised by the Institute of Physical Sciences of the National Autonomous University of México, UNAM, and the Metropolitan Autonomous University (UAM). The conference manager is Organizadora Nacional de Congresos y Eventos, ONCE. The language of the conference and all printed matter will be English. No translations will be provided.

CONFERENCE LOCATION AND DATE

Cancún is a well known international resort, located at the easternmost corner of the Yucatán peninsula, in México. Cancún is served by an international airport, located 20 km from the hotel area, with many flights from Europe, the United States, Canada, and South America. There are many daily flights from Mexico City to Cancún. Cancún offers a wide range of hotels. The Conference Organiser has blocked a number of rooms at reduced fares. Further details are given in the web page of the conference <http://www.icpig2009.unam.mx>

The XXIX ICPIG will start with registration on the afternoon of Sunday, 12th July, and will end with a closing ceremony at noon, 17th July. The conference will take place at the Cancún Convention Centre, located along the main avenue of Cancún. The Conference Centre is about 20 min drive from the airport, and is also accessible by a frequent bus service. The venue hotel is just across the street.

SPONSORS

The XXIX ICPIG is sponsored by

- Universidad Nacional Autónoma de México (UNAM)
- Universidad Autónoma Metropolitana (UAM).
- International Union of Pure and Applied Physics.

Conference endorsement to IUPAP policies

The organizers have provided assurance that the XXIX International Conference on Phenomena in Ionized Gases will be conducted in accordance with the principles of the International Union of Pure and Applied Physics, 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 PROGRAMME

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 and their applications, as plasma semiconductor processing, surface treatment and thin film technology, light sources and gaseous lasers, environmental protection and pollution control, sterilization, atmospheric and astrophysical plasmas and the low temperature plasma in fusion devices. Detailed information on the conference topics is provided in our Website

www.icpig2009.unam.mx.

The scientific programme will consist of 10 invited general and 24 topical lectures, the Von Engel Prize lecture, the IUPAP Early Career Award in Plasma Physics, two parallel Workshops and Poster presentations.

WORKSHOPS

The LOC will organize two conference workshops

Workshop A: *Nonequilibrium phenomena in ion and electron transport.* Theory and applications will be dedicated to review the state of the art on our knowledge of electron and transport collision processes in gases, including charged particle transport and reactions in electric and magnetic fields, measurement and calculation of cross sections and swarm data, and their applications in industry and medicine.

Workshop B: *Non-thermal plasma physics relevant to fusion,* will review the vital role played by the physics of the edge plasma in fusion devices, since it bridges hot-fusion core and material walls, and is crucial for both plasma confinement and the life-time of the first wall. Recent advances, plasma diagnostics, negative ion sources for neutral production and future challenges will be revised.

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 1,000 USD and a certificate, is awarded biennially to an individual for work in the field of the physics and technology of plasmas and ionized gases, as covered by ICPIG meetings. The selection procedure 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, 2009

On the occasion of ICPiG 2009, the IUPAP Early Career Award in Plasma Physics will be bestowed for the second time. The award consists of a 1,000 USD 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, 2009. She/He should have performed original work of outstanding scientific quality in the area of the physics of low temperature plasmas. Detailed information on the nomination procedure will be provided in the second announcement and on the conference website.

ICPIG 2009 POSTER PRIZES

An award will be given to the best three posters presented by PhD students. The essentials and conditions of the prize will be given in the second announcement.

PROCEEDINGS

The conference proceedings will be available in a compact disc. The talks of the Invited speakers will be published in a special issue of the journal *Plasma Sources Science and Technology*. All manuscripts will be subjected to a peer-review process arranged by the Institute of Physics (IOP). The invited talks of the two workshops will also be edited in a separate volume.

ACCOMMODATION

The hotel reservations will be handled by ONCE, the ICPiG's official conference manager. A range of 2* to 5* hotels in the vicinity of the Conference Centre will be offered. Detailed information will be provided in the second announcement and on the conference website.

REGISTRATION FEES (In US dollars)

	Early	Late
Regular	590	660
Student	295	330
Accompanying person	75	75

The deadline for refund will be 20 June, 2009. The cancellation fee will be 75 USD.

INTERNATIONAL SCIENTIFIC COMMITTEE

J-P. Booth	(Chair, France)
R. Boswell	(Australia)
A. Bogaerts	(Belgium)
M. Šimek	(Czech Republic)
P. Michelsen	(Denmark)
U. Fantz	(Germany)
D. Bruno	(Italy)
Y. Sakai	(Japan)
A. N. Starostin	(Russia)
Z. Petrović	(Serbia)
N.S. Braithwaite	(United Kingdom)
J.G. Eden	(USA)

LOCAL ORGANISING COMMITTEE

J. de Urquijo	(Chair, UNAM)
E. Basurto	(UAM)
J. L. Hernández-Ávila	(UAM)
J. Herrera	(UNAM)
A. Juárez	(UNAM)
G. Koenigsberger	(UNAM)
H. Martínez	(UNAM)
M. Pacheco	(ININ)
A. Robledo	(UAM)

CONFERENCE PRE-REGISTRATION

For receiving up-to-date information, please pre-register through the conference website, <http://www.icpig2009.unam.mx>. It would only take you a couple of minutes to do so.

SCIENTIFIC SECRETARIAT

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