

2nd Announcement and Call for papers
Abstract Deadline: March 15, 2004



17th ESCAMPIG



Constanta – Romania

September 1 – 5, 2004

Also available on the website:

<http://www.univ-ovidius.ro/17-ESCAMPIG-2004/>

Second announcement and call for papers
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✚ General Information

The 17th Europhysics Conference on Atomic & Molecular Physics of Ionized Gases (ESCAMPIG) will be held in Constanta, September 1 - 5, 2004 at the "Ovidius" University of Constanta, Romania.

The ESCAMPIG International Scientific Committee invites papers on atomic and molecular physics of ionized gases and reactive plasmas. Papers reporting on experimental, theoretical, and computational studies which address either fundamental properties of weakly ionized plasmas or their applications are encouraged.

✚ Scientific program

The conference will start on Wednesday 1-st September and will end on Sunday 5-th September in the afternoon. It will feature invited lecture, two workshops and poster presentation. The International Scientific Committee will also select from submitted abstracts, a small number of "Outstanding Contributions" for oral presentation. Eight General Lectures of 40 minutes will be given two Workshops, seven Topical Lectures of 25 minutes and selected oral presentation will be arranged in one session. Other accepted contributions will be presented in four poster sessions. Authors will be notified by 20 May about acceptance of their contributed papers and its possible selection for an oral presentation.

✚ Conference Topics

1. Atomic and molecular processes in plasmas
2. Particle energy distribution functions
3. Discharge physics: sheathes, transport processes and modeling
4. Plasma diagnostics
5. Laser and particle beam assisted plasma processes
6. Physical basis of plasma chemistry and plasma surface interactions

✚ Invited Lectures

The International Scientific Committee has invited 15 speakers to give up 8 general (review) and 7 topical lectures.

1. **Akishev Yuri (Russia)**
"Corona, Glow and Spark Discharges in Ambient Air and Transitions between Them"
2. **Berndt Johannes (Germany)**
"Dust particles in laboratory plasmas and in astrophysics."
3. **Boeuf Jean-Pierre (France)**
"Electrical models of Dielectric Barrier Discharges and glow discharges in small geometries"
4. **Hans-Frieder Döbele (Germany)**
"Laser-induced fluorescence measurements of absolute atomic densities: Concepts and limitations."
5. **Godyak Valery (USA)**
"Probe Diagnostics of Dense RF Plasmas"
6. **Matt Sara (Austria)**

"Energetics, kinetics and dynamics of decaying metastable ions studied with a high resolution three sector field mass spectrometer"

7. Moisan Michel (Canada)

"Plasma sterilization: review and recent results"

8. Terashima K. (Japan)

"Microplasma & nanoplasma under a high-pressure environment up to supercritical fluid conditions"

✚ Topical Lectures

1. Armenise Iole (Italy)

"State to state kinetics in boundary layer of entering body in earth atmosphere. Particle distributions and kinetics"

2. Cunge Gilles (France)

"Plasma wall interaction during gate etching processes"

3. Dyatko Nikolay (Russia)

"Peculiarities in electron kinetics: absolute and differential negative mobility and bi-stability"

4. Kutasi Kinga (Hungary)

"Molecular ions in helium glow discharges"

5. Mahony Charles (UK)

"Electrical characterisation of rf discharges"

6. Salabas Aurel (Germany)

"Numerical investigations of capacitively coupled plasmas"

7. Simek Milan (Czech. Rep)

"Spectroscopic methods for N₂(A) metastable detection in atmospheric pressure discharges"

✚ Contributions

Contributed papers must be in English and should report previously unpublished work. The total length, including figures and references, should be two **A4** format pages. The authors are responsible for the content and style of the contribution. No editing or re-typing will be carried out by the conference organizers.

The contributors should be prepared following a template joined to this announcement and available on the conference web site. All contributed papers will be refereed by the international organizing committee and may be rejected on scientific ground. It is recommended to submit the paper in electronic form at the e-mail address:

escampig@univ-ovidius.ro

The submitted file must be a Portable Document Format (PDF) or Rich Text File (RTF) document. In case you are not able to provide an electronic file as described here above, you are kindly requested to send the paper (original and two copies) at the following address:

OVIDIUS University
Department of Physics,
Geavit Musa, Rodica Vladoiu
Bd. Mamaia 124
Constanta, 900 542
Romania

Since paper abstract will be reproduced (camera ready), they should be printed on separate sheets, not attached to other, and they should be submitted in such a way that will arrive in good order.

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Contribution submitted by fax cannot be accepted!

The topic number (according to the Conference Topics) must be written on specified case on the top right corner of the first page.

Abstracts in their final form should be received by the LOC before Monday, March 15, 2004. All submitted abstracts will be selected by the International Scientific Committee (ISC). Based on their scientific quality, they may be rejected by the ISC, that also will select about 16 of them for an oral presentation. The book of the accepted contributions will be distributed to the participants at the conference site. **No publication will occur, unless the registration fee, for at least one of the authors, is received before June 15, 2004.**

 **Registration fee**

Early registration (Before 15 June)

Regular: 330 Euro
EPS member: 300 Euro
Student: 220 Euro
Accompanying person: 160 Euro

Late registration (After 16 June)

Regular: 370 Euro
EPS member: 340 Euro
Student: 250 Euro
Accompanying person: 180 Euro

The registration fee includes participation, 4 lunches, the welcome reception, excursion and the Conference Abstract. The hotel accommodation and the other dinners are excluded. Please use the "Registration Form" joined to this announcement and available on the conference web site. Please note that the deadline for registration is July 15, 2004.

 **Support Fund**

Limited fund will be available to support the Registration fee. Accommodation can be provided in these cases in Student Dormitory of young post-docs or students wishing to attend this conference. Applicants should use the "Financial Support Application" (FSA) form joined to this announcement and available in our web site. The available fund will be limited to those most in need of support. Applications must be sent to the Secretariat of ESCAMPIG 17th **before 1 May 2004**. All documents mentioned in the FSA form should be attached to request. Applicants should indicate the type of support requested. The LOC will look more favorably an application for partial support.

 **Language**

The official language of the Conference is English.

 **Social Program**

All registered participants and accompanying persons are invited to the welcome party on September 1st, the Conference Excursion on the afternoon of September 3rd and the conference dinner on the evening of September 3rd. Different excursions will also be organized for accompanying person to visit Constanta area and archeological museums. More information about excursion will be available soon on our web site.

 **Hotel Accommodation**

The conference place -"Ovidius" University of Constanta - is located on 124 Mamaia Avenue. It is at 30 minutes walking distance and 10 minutes distance by bus 40 from the city center.

Hotels with negotiated rates

HOTEL ROYAL Tel./Fax:(40) 241 542 670 www.hotelroyal.ro (Distance < 200 m)	****	Double room: 60 Euro/day Single room: 50 Euro/day
HOTEL BULEVARD (Distance < 800 m)	****	Single room: 52 Euro/day Double room: 61 Euro/day
HOTEL MILLENIUM Tel: (40) 241 607 317 Fax: (40) 241 607 341 www.hotelmillenium.ro (Distance < 200 m)	***	Single room: 70 Euro/day Double room: 75Euro/day
HOTEL CORA Tel./Fax: (40) 241 555 575 (Distance < 250 m)	**	Single room: 30 Euro/day Double room: 35 Euro/day
HOTEL PARC (on the beach)	***	Single room: 40Euro/day Double room: 50 Euro/day
STUDENTS HOSTEL (Distance < 800 m)		3 Beds Room: 20 Euro/day

Late applicants may be assigned at alternative hotels in Constanta or Mamaia on the beach.

 **About Constanta**

Constanta County is situated in the southeastern part of Romania, between the Danube and the Black Sea. Constanta, located at the Black Sea coast is the second largest city of Romania, after Bucharest, the capital of Romania

Land area: 7,071 sq. km.

Population: 746,700 inhabitants, as of July 1st 1997

Population density: 105.6 inhabitants/sq. km.

Main cities: Constanta - Municipality (348,136 inhabitants), Mangalia - Municipality, Medgidia - Municipality, Cernavoda), Navodari, Ovidiu, Basarabi Harsova, Eforie and Negru Voda .

Administrative City: Constanta.

 **How to reach Constanta**

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By air

The Otopeni International Airport, located 16, 5 km North of Bucharest connects most of European Capitals to Bucharest. Transport from/to the airport is ensured by:

- express bus from arrival terminal to the central places in Bucharest (and return). This bus does not have separated luggage compartment, so, the luggage is taken in the bus. During the workdays it operates at every 15 minutes between 07.00 and 22.00 and 30 minutes between 05.00-07.00 and 22.00-24.00. In the weekend the frequency is 30 minutes from 05.00 to 24.00.

- if you prefer a cab, negotiate the price before jumping inside! A fair price is about \$15. From the airport you have to go to the North Railway Station in Bucharest and from there to take a train to Constanta. Bucharest – Constanta distance is 220 km. Travel time by train is about 2 hours and 30 minutes by IC train and 2 hours and 45 minutes by fast train.

More details you can find in the Conference website.

By train

Trains from all Europe countries can reach Bucharest. From the North Railway Station in Bucharest you can take a train to Constanta. Also there are direct trains to Constanta from Budapest and Warsaw.

By car

The city can be reached easily by car thanks to a broad national road and network connection leading to the Conference location.

Details concerning how to travel to the Conference place will be available in the Third Announcement before May 30, 2004.

Important Dates

Second Announcement:	January	31, 2004
Contribution Deadline:	March	15, 2004
Acceptance Notification:	May	20, 2004
Third Announcement:	May	30, 2004
Early registration Deadline:	June	15, 2004
Registration Deadline:	July	15, 2004
Final Announcement:	July	31, 2004

Conference Information

Further information on the conference may be obtained from the conference web site:

<http://www.univ-ovidius.ro/17-ESCAMPIG-2004/>
that will be updated continuously and from the following e-mail address:

escampig@univ-ovidius.ro

International Scientific Committees

G. M. W. Kroesen, Chair,	Eindhoven Univ. (NL)
N. Sadeghi,	Grenoble Univ. (F)
A. P. Napartovich,	State Research Center Trinity (RU)
S. De Benedictis,	CNR, IMIP- Bari (IT)
Z. Donko,	Budapest Research Inst. Solid State Phys. and Optics (HU)
W. G. Graham,	Belfast Univ. (UK)
J. Loureiro,	Lisbon Univ. (PT)
G. Popa,	Iasi Univ.(RO)
G. Malovic	Belgrade Univ. (YU)
J. D. Skalny,	Bratislava Univ. (SK)
H. Stoeri,	Vienna Univ. of Technology (AT)
K. Wiesemann,	Bochum Univ. (DE)

Local Organizing Committee

V. Ciupina,	president
G. Musa,	chairman
R. Vladoiu,	secretary
P. Petculescu,	member
M. Girtu,	member
M. Belc,	member
V. Mirza,	member
F. Moscalu,	member
D. Coadă,	member
C. Oprea,	member
E. Florea,	member

Scientific Contact

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Please fill the attached registration form and return it before June 15, 2004 to:

E-mail: escampig@univ-ovidius.ro

Or fax to: Geavit Musa or Rodica Vladoiu

(40) 241 61 83 72

REGISTRATION FORM

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I plan to attend the 17-th ESCAMPIG

Title

Family Name

.....

First Name

.....

Institution / Company.....

.....

Address.....

.....

Zip Code

.....

City

Country

Phone

E-mail.....

Fax

Probably number of accompanying persons.....

I intend to submit abstract:

Yes

No

Chosen topic (optional): 1 2 3 4 5 6