

ANNOUNCEMENT

School and Workshop on Space Plasma Physics

Coop-Kiten Hotel Complex, BG-8183 Kiten, Bulgaria, September 1–12, 2010

Organizers:

Chair: Prof. Dr. Ivan Zhelyazkov (e-mail: izh@phys.uni-sofia.bg),

Co-Chair: Prof. Dr. Todor Mishonov

(e-mail: tmishonov@phys.uni-sofia.bg),

Secretary: Assoc. Prof. Dr. Yavor Shopov

(e-mail: yyshopov@gmail.com)

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Madalina Vlad (NILPRP, Romania) e-mail: madi@ifin.nipne.ro
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Schedule:

Arriving day: September 1, 2010

Welcome reception: September 2, 2010

Conference dinner: September 10, 2010

Excursion to Nessebar: September 5, 2010

Departure day: September 12, 2010

List of Lectures:

- **P.-L. Sulem**

Nonlinear dynamics of mirror modes

- **S. Fujioka**

Laser-produced plasma as unique x-ray source for the wide scientific field from industry to astronomy

- **E. Verwichte**

Seismology of solar coronal loops with transverse oscillations

- **L. Popovi **

Plasma conditions in different emitting regions of Active Galactic Nuclei

- **D. Bisikalo**

Accretion processes in interacting binary stars

- **M. Ruderman**

Latest progress in the theory of transverse coronal loop oscillations

- **P. Kaigorodov**

Formation of accretion disks in young binaries

- **A. Sytov**

Dynamics of accretion in nearly precontact binary systems

- **D. Kononov**

Investigation of accretion disk structure evolution during outburst using Doppler tomography

- **A. Fateeva**

Numerical simulations of accretion processes in T Tauri stars

- **T. Zaqarashvili**
Oscillations in solar spicules: recent challenges in observations and theory
- **D. Kuridze**
Magnetoacoustic oscillations in curved hot coronal loops
- **B. Loupiau**
Laboratory astrophysics using intense laser
- **R. Erdélyi**
MHD waves and oscillations in the solar atmosphere: Solar magnetoseismology
- **Ts. Georgiev**
Faint stellar halos of the galaxies: Where do we stand?
- **P. Nedialkov**
Extinction studies in nearby galaxies
- **G. Maris**
High-speed streams in the solar wind and their impact on the geospace
- **G. Gogoberidze**
 1. *Weak and strong regimes of magnetohydrodynamic turbulence*
 2. *Landau damping in astrophysics*
- **J. Vranjes**
Gradient-driven instabilities and heating of solar corona
- **P. Jelinek**
Numerical simulations and observations of waves in solar flares
- **M. Mond**
To be announced
- **M. Vlad**
Anomalous and Gaussian transport regimes in solar wind turbulence
- **F. Spineanu**
Plasma filamentation generated by Kelvin–Helmholtz events
- **Z. Dimitrov**
Amplification of slow magnetosonic waves in shear flows
- **T. Mishonov**
On the heating mechanism of quasars
- **I. Zhelyazkov**
Hall-magnetohydrodynamic waves and their stability in flowing solar-wind plasmas
- **Ya. Shopov**
Cycles of the solar wind flux at the upper atmosphere

List of Registered Participants:

1. Zlatan Dimitrov, Sofia University, Bulgaria
2. Todor Mishonov, Sofia University, Bulgaria
3. Ivan Zhelyazkov, Sofia University, Bulgaria
4. Yavor Shopov, Sofia University, Bulgaria

This Forum is intended to bring together leading researchers in space plasma physics to discuss recent advances in the field. The Forum is also expected to provide the MSc students enrolled in the new Space Physics programme at Sofia University broader exposure to this modern science in cooperation with the Sofia University Centre of Space Research and Technology. All lectures and research seminars will be uploaded on the conference web-page and selected contributed talks will be published in *AIP Conference Proceedings* (look at: <http://sp.phys.uni-sofia.bg/Kiten06> and <http://proceedings.aip.org/proceedings/confproceed/1121.jsp>)

The deadline for receiving abstracts is June 30, 2010!

Conference Fee: €450 (or \$670) and €300 (or \$450) for an accompanying person

Early bird payment before March 31, 2010: €300 (or \$450, or BGN600)

The Conference fee includes: full board (accommodation and 3 meals per day), two coffee-breaks, welcome party, conference dinner and excursion.

The web-page of the conference hall hotel is:

URL: <http://kiten.coophotels.bg/en/>

UniCredit Bulbank

Sveta Nedelya Branch

7 Sveta Nedelya Sq

BG-1000 Sofia, Bulgaria

SWIFT BIC UNCRBGSF

Accounts for participation fee and sponsorship support:

USD IBAN: BG22 UNCR 7000 1501 8665 82

BGN IBAN: BG78 UNCR 7000 1501 8666 41

Beneficiary: Sv. Sedmochislenitsi-08 Foundation (Conference co-sponsor)

Beneficiary Address: 31 Neofit Rilsky Street, 33 Ap.

BG-1000 Sofia, Bulgaria

Participation fee/Donation for Kiten-2010

For transfers from the USA one can use the following correspondent banks:

City Bank, American Express, Bank of New York, Bank of America

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The current version of this Announcement is uploaded on:

<http://phys.uni-sofia.bg/~tmishonov/BlackSeaForum-10.pdf>