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National Academy of Sciences of Ukraine
G. V. Kurdumov Institute for Metal Physics



International Conference

CONTEMPORARY PROBLEMS OF METAL PHYSICS

Second Announcement

7–9 October, 2008

Kyiv, Ukraine

GENERAL INFORMATION

G. V. Kurdyumov Institute for Metal Physics of the National Academy of Sciences of Ukraine holds an International Conference concerning the analysis of state-of-the-art and trends of development of metal physics. Conference is dedicated to a centenary of Vitaliy N. Gridnev and Adrian A. Smirnov, Members of the Academy of Sciences of Ukraine, the recognized physicists who played a basic part in foundation and development of Institute for Metal Physics.



V. N. Gridnev (1908–1990)



A. A. Smirnov (1908–1992)

SCOPE OF THE CONFERENCE

The scientific topics of Conference will be closely associated with V. N. Gridnev's and A. A. Smirnov's scientific heritage. These topics will include:

- phase and structural transformations in metals and alloys at nonequilibrium conditions and their influence on physical-mechanical properties of metallic materials;
- interatomic interactions, atomic structure and evolution of short- and long-range atomic orders in the condensed matter as function of temperature, pressure, and electromagnetic field, their interrelation with mechanical, thermal, electrical, magnetic and optical properties of metals and alloys.

Other actual directions of theoretical and experimental investigations in the field of strength and plasticity, electronic spectroscopy, surface of metals and alloys, metal hydrides, intermetallics, composites, and nanomaterials will be also presented.

PARTICIPANTS

More than 250 attendees from 13 countries have already been registered. Twelve outstanding scientists from Australia, Czech Republic, France, Russia, Ukraine, and U.S.A. will deliver review lectures on selected topics.

VENUE

The Conference will be hosted at the Institute for Metal Physics, Kyiv (36, Academician Vernadsky Blvd.; nearby the underground railway station 'Akademmistechko').

LANGUAGE

Ukrainian, Russian or English are acceptable for both oral and poster presentations as well as for manuscript submission.

CONTRIBUTIONS

Invited review lectures (40 min) and oral presentations (20 min and 15 min for keynote and regular, respectively) will be delivered sequentially in the lecture hall equipped with a PowerPoint system. Posters will be topically incorporated in separate sessions. The area for presentation of each poster is 100×150 cm². Organizers will give auxiliary materials for the mount of posters. The final program will be placed on www.imp.kiev.ua/?a=conference&chapter=interconf_2008 ten days before the Conference.

PROCEEDINGS

A book of abstracts will be available at the Conference.

After reviewing, the contributions will be published in the Conference Proceedings as a special issue of the international research journal '*Metallofizika i Noveishie Tekhnologii*' (Metal Physics and Advanced Technologies) and/or a special issue of the review research journal '*Uspehi Fiziki Metallov*' (Progress in Physics of Metals).

The manuscripts are limited to 8 pages (DIN A4, 1½ spacing) plus up to 16 figures for invited and keynote papers, and 4 pages (DIN A4, 1½ spacing) plus up to 8 figures for other papers. For author instructions (and manuscript template), see link www.imp.kiev.ua/?a=publishing or contact with the Conference Secretariat by e-mail (preferably) cpmp@imp.kiev.ua.

The manuscripts should be submitted at the registration desk on the first day of the Conference.

REGISTRATION FEE

Registration fee should be paid in cash at the registration office, which will be opened on Monday, October 6, from 13:00 to 20:00 and on Tuesday, October 7. Full fee is **450 UAH** (equivalent of **100 USD**). Young scientists up to 35 and postgraduate students will receive 50% reduction.

The registration fee includes book of abstracts, Conference Proceedings, lunches, and social program (sight seeing and Conference Dinner).

The fee for accompanying persons is **200 UAH** (**45 USD**) and includes social program.

ACCOMMODATION

The Conference Secretariat will reserve the accommodation at the hotel of the National Academy of Sciences of Ukraine only for those attendees who have specified a need in the registration form. Accommodation costs: **40–70 USD** per night.

The Secretariat of the Conference does not arrange the accommodation for other participants.

Detailed information on the accommodation in Kyiv as well as on hotels, room facilities and rates is available at www.smm2008.nas.gov.ua/Pages/Hotels.aspx.