



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



International Conference

CONTEMPORARY PROBLEMS OF METAL PHYSICS

First announcement and call for papers

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 A. S. 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)

The conference will be held on from 7 to 9 October 2008 at the Institute for Metal Physics, Kyiv (36, Academician Vernadsky Blvd.).

SCOPE OF THE CONFERENCE

The 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 will be also presented.

ORAL AND POSTER PRESENTATIONS

Three types of presentations will be provided:

- review presentations of the invited lecturers (45 min);
- oral presentations of original results (20 min);
- posters typically incorporated in separate sessions.

The lecture hall will be equipped with the overhead and PowerPoint system. The area for presentation of each poster is $100 \times 150 \text{ cm}^2$. Auxiliary materials for the mount of posters will be given by organizers.

LANGUAGE OF PRESENTATIONS

Abstracts, presentations and manuscripts can be submitted in Ukrainian, Russian or English.

PUBLICATION SCHEDULE

Contributed papers will be published in 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) (see <http://www.imp.kiev.ua/>). The manuscripts should be submitted at the registration office. The submission deadline is the first day of the conference.

REGISTRATION

Please fill the attached registration form and send it together with the abstract to the Conference Secretariat before **June 1**, 2008 on the address:

Institute for Metal Physics,
(‘Contemporary Problems of Metal Physics’)
36, Academician Vernadsky Blvd.
UA-03680 Kyiv-142, Ukraine

or e-mail (preferably) to: cpmp@imp.kiev.ua

Notification of acceptance will be sent to authors by **August 1**, 2008.

The Organizing Committee has a possibility to reserve the accommodation at the hotel of the N.A.S. of Ukraine. The participants interested in such reservation should specify the wishes in the registration form.

The information on the registration fee and costs for accommodation will be given in the second announcement.

Organizing Committee

A. P. Shpak (Ukraine), Conference Chairman
O. M. Ivasishin (Ukraine), Conference Vice-Chairman
V. B. Molodkin (Ukraine), Conference Vice-Chairman
V. G. Baryakhtar (Ukraine)
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Conference Secretariat:

T. M. Radchenko
T. V. Vladimirova

Phones: +(380) 44 4242210 (Orest M. Ivasishin)
 +(380) 44 4240530 (Vadim B. Molodkin)
 +(380) 44 4241221 (Taras M. Radchenko)
Fax: +(380) 44 4242561

International Conference
‘CONTEMPORARY PROBLEMS OF METAL PHYSICS’

REGISTRATION FORM

Surname Name

Title

Institution

Address

Country

Telephone: Telefax:

E-mail:

A tentative title of presentation _____

Hotel reservation needed: from _____ to _____

Date

Signature