



**Dear colleagues,**

This is the **first** circular of the 4-th International Conference on **Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2012)**, which will be held from September 10 to September 14, 2012 in Kyiv, Ukraine. This conference is the continuation of the conferences held in Kyiv in 2006, 2008 and 2010.

The NPAE-Kyiv2012 conference will cover the following topics:

- Collective processes in atomic nuclei
- Nuclear reactions
- Nuclear structure and decay processes
- Rare nuclear processes
- Neutron and reactor physics, nuclear data
- Problems of atomic energy
- Applied nuclear physics, experimental facilities and detection techniques
- High-energy physics

The conference will consist of plenary, parallel and poster sessions. Plenary sessions are composed of invited talks, and parallel sessions consist of invited talks and oral presentations selected from the contributions.

The working language of the Conference is English.

The NPAE-Kyiv2012 conference is organized by the National Academy of Sciences of Ukraine (*NASU*, <http://www.nas.gov.ua>) the Institute for Nuclear Research of NASU, Kyiv (*KINR*, <http://www.kinr.kiev.ua>) in collaboration with the Taras Shevchenko National University of Kyiv (*NTSU*, <http://www.univ.kiev.ua>).

**Conference chairman:** I. M. Vyshnevskiy (*Director of KINR*)  
**Scientific secretary:** V. Yu. Denisov (*KINR*)

#### **Conference site**

The Conference will take place at the Institute of Postgraduate Education (IPE) of the Taras Shevchenko National University of Kyiv, located about 5 km south of downtown (Vasylkivska str., 36, Kyiv), near Metro station Vasylkivska.

#### **Conference proceedings**

The Proceedings of the Conference will be published by Publishing Department of the KINR and will be available on the Conference site. Proceedings of the previous Conferences (NPAE-Kyiv2006, NPAE-Kyiv2008, NPAE-Kyiv2010) can be found on the

sites [http://www.kinr.kiev.ua/NPAE\\_Kyiv2006/](http://www.kinr.kiev.ua/NPAE_Kyiv2006/), [http://www.kinr.kiev.ua/NPAE\\_Kyiv2008/](http://www.kinr.kiev.ua/NPAE_Kyiv2008/) and <http://www.kinr.kiev.ua/NPAE-Kyiv2010/>.

### **Call for Abstracts**

Authors are invited to submit one page abstract (around 300-500 words) by June 1, 2012 via e-mail to [npae-kyiv2012@kinr.kiev.ua](mailto:npae-kyiv2012@kinr.kiev.ua). The abstracts will be issued before the Conference. The rules for abstract preparation will be provided in the second circular.

### **Accommodation**

Conference participants can lodge in the hotel complex of the IPE in the single- and double rooms of European standards. The Conference sessions will be held at the same building. Meals (breakfast and/or lunch) will be organized at the IPE upon request (charged extra). The participants can also get accommodation in the 3 stars hotel "MIR" (<http://www.hotelmir.kiev.ua>) as well in other hotels of Kyiv. A number of luxury hotels will also be available with assistance of the Organizing Committee upon request.

Reservation of accommodation has to be done until August 06, 2012.

### **Conference fee and registration**

Registration fee for participants	250 Euro.
Registration fee for participants from Ukraine and the CIS countries	70 Euro.
Registration fee for accompanying persons	70 Euro.

Registration fee includes book of abstracts, coffee breaks, welcome party, conference dinner, social events, book of proceedings (books of abstracts and proceedings for participants).

Limited number of financial supports will be available for students and young scientists.

More detailed information on the Conference will be given in the 2-nd Circular at the beginning of February 2012.

### **Correspondence**

All correspondence concerning scientific program, publication and other questions should be sent to:

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Information on the Conference can be found at the website:

<http://www.kinr.kiev.ua/NPAE-Kyiv2012>

We are looking forward to see you at Kyiv in 2012.

**On behalf of the NPAE-Kyiv2012 organizers**

I.M. Vyshnevskyi and V.Yu. Denisov