

**THE 3rd JOINT SEMINAR JINR-ROMANIA
ON NEUTRON PHYSICS FOR INVESTIGATIONS OF
NUCLEI, CONDENSED MATTER AND LIFE SCIENCES**

www.icstm.ro/JSJR3

**JULY 24-30, 2011
TARGOVISTE – ROMANIA**

**FIRST ANNOUNCEMENT
CALL FOR ABSTRACTS**

The Seminar is organized by:

- Joint Institute for Nuclear Research, Dubna, Russia
- Valahia University of Targoviste, Romania
- National Institute for R&D in Electrical Engineering, ICPE-CA, Bucharest, Romania
- Romanian Ministry of Education, Research, Youth and Sport

Advisory Committee

JINR

Prof. Dr. M.G. Itkis
JINR Acting Director, Russia

Prof. Dr. A.V. Belushkin
Director of FLNP, Russia

Dr. V.N. Shvetsov
Deputy Director of FLNP, Russia

Dr. D. Sangaa
Deputy Director of FLNP, Russia

Dr. D.P. Kozlenko
Chief of the FLNP Condensed Matter Department

Dr. S.A. Kulikov
Chief of the FLNP Department of Spectrometers
Complex, Russia

Romania

Prof. Dr. V.N. Zamfir
Correspondent Member of the Romanian Academy
Romanian Government Representative at JINR
General Director of IFIN-HH, Bucharest, Romania

Acad. Prof. Dr. E. Burzo
Member Presidium Romanian Academy
Member PAC Committee Solid State Physics
IUCN Dubna

Prof. Dr. Ion Cucui
Rector of Valahia University of Targoviste, Romania

Prof. Dr. Wilhelm Kappel
General Director of INC DIE ICPE – CA,
Bucharest, Romania

Prof. Dr. Gheorghe Cata-Danil
University Politehnica of Bucharest
Horia Hulubei National Institute of Physics and
Nuclear Engineering - IFIN HH, Bucharest, Romania

Dr. Calin Oros
Prorector of Valahia University of Targoviste,
Romania

Organizing Committee

Chairs

Prof. Dr. I.V. Popescu
Valahia University of Targoviste, Romania

Dr. O.A. Culicov
INC DIE ICPE – CA, Romania
Scientific secretary of FLNP JINR

Prof. Dr. W. Kappel
INC DIE ICPE – CA, Bucharest, Romania

Dr. C. Oros
Valahia University of Targoviste, Romania

Scientific secretary

Dr. C. Stihi
Valahia University of Targoviste, Romania

Dr. C. Radulescu
Valahia University of Targoviste, Romania

Members

Prof. Dr. V. Gh. Cimpoca

Valahia University of Targoviste, Romania

Prof. Dr. T. Setnescu

Valahia University of Targoviste, Romania

Dr. A. Pantelica

NIPNE Magurele, Romania

Dr. S. Dinu

Valahia University of Targoviste, Romania

Dr. A. Gheboianu

Valahia University of Targoviste, Romania

Drd. D. Let

Valahia University of Targoviste, Romania

Prof. dr. R. Setnescu

Valahia University of Targoviste, Romania

Dr. L.M. Gorghiu

Valahia University of Targoviste, Romania

Dr. A. Ene

Dunarea de Jos University, Galati, Romania

Dr. G. Dima

Valahia University of Targoviste, Romania

Drd. I. Bancuta

Valahia University of Targoviste, Romania

Drd. I. Dulama

Valahia University of Targoviste, Romania

It is well known that neutrons are a powerful instrument for investigation of nuclei and condensed matter. In recent years, neutrons proved their applicability in such dynamic fields of research as biotechnology, nanostructures, environmental chemistry and others.

Frank Laboratory of Neutron Physics (FLNP) is one of the seven JINR Laboratories. It possesses two active neutron sources: the modernized fast pulsed IBR-2 reactor and the Intense REsonance Neutron source (IREN). A set of 13 high-performance instruments, that are constantly being upgraded, are available for your experiments at the FLNP site, some other completely new instruments being presently under construction. A team of qualified and dedicated staff comprised by scientists, engineers and technicians is ready to assist you throughout the experiments at each instrument. A wide range of scientific themes for experimental works are available for undergraduates, masters and PhD students.

The general objective of the school-seminar is to consolidate collaboration between FLNP JINR and Romania.

The educational seminar is aimed at:

- presenting the most advanced scientific projects being processed in FLNP JINR and in various Romanian partner institutions;
- enabling young researchers to get involved, to present and to publish their original results;
- encouraging students to carry on scientific activity after graduation;
- enlarging the staff comprised by Romanian scientists (assistant as well as senior researchers) hired by JINR within the long term employment contracts.

The scientific program of the educational seminar for young scientists is targeted at covering several basic fields in the investigations of which the FLNP JINR staff members are taking active part and Romanian scientists has a special interest:

- ✓ Nuclear physics
- ✓ Life sciences
- ✓ Physics of nanosystems
- ✓ Structure and dynamics of functional materials
- ✓ Complex liquids and polymers
- ✓ Molecular biology and pharmacology
- ✓ Structure of rocks and minerals
- ✓ Engineering diagnostics
- ✓ Electronics and automatics of experimental installations

FLNP is proud to have active cooperation agreements with almost 200 scientific institutes and universities of 40 countries from all over the globe and willing to enlarge its collaborating activity.

Are you a physicist, a chemist, a materials scientist, a biologist, a geologist, a specialist in electronics? Then, we are looking forward to see you in Targoviste where you can learn more about the FLNP JINR opportunities.

Registration and abstract application

The registration forms and abstracts must be submitted to the Scientific Secretary (Dr. Claudia Stihi, cstihi@yahoo.com, and Cristiana Radulescu, radulescucristiana@yahoo.com) before April 15, 2011 as an e-mail attachment.

Please fill in the following **Registration form**:

Name (first name, last name): _____

Status (student “course _____”, Master, PhD “specialization”, junior researcher, researcher, senior scientist): _____

Affiliation:

Phone number: _____

e-mail address: _____

The size of the abstract is limited to an A4-page and must be formatted as follows:

Title in bold type, font 14-pt,
Authors and addresses, font 12-pt,
Margin: 3-cm, at all sides,
File extension: MS Word (versions 97-2000)

Language

The official language of the Seminar is English.

Young scientists and students are supposed to pay the fee of 240 EU for printed versions of lectures, coffee breaks, hostel accommodation and meals through the whole period of the school-seminar and excursion. The registration fee is to be optionally paid either IN CASH or BY TRANSFER. The transfer account will be reported in the second announcement. The Organizing Committee has special funds for financial support limited to special fee payment cases. Please register at the above mentioned address via e-mail and let us know whether you need any financial support of this kind. Your application will be examined in the nearest future.