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PLACE OF THE CONFERENCE

The conference will be held in Almaty, Kazakhstan, in Institute of Nuclear Physics of the National Nuclear Center of the Republic of Kazakhstan.

WORKING LANGUAGE

Working language of the Conference is ENGLISH.

CONFERENCE TOPICS

1. Nuclear energy: present status and perspectives

- nuclear energy safety
- physics of nuclear reactors
- accelerator-driven systems and nuclear waste transmutation

2. Basic problems of nuclear physics

- mechanisms of nuclear reactions at low and moderate energies
- nuclear astrophysics
- physics of nuclear fission
- theoretical nuclear physics
- physics of charged particle beams and acceleration processes

3. Radiation solid - state physics

- modification of material properties with accelerated light and heavy ions
- ion-plasma technologies
- influence of irradiation on structure and physico-mechanical properties of materials
- material science of TNR
- simulations of heavy accidents with nuclear reactors, material science aspects
- contemporary methods of bulk and surface layers investigations of solids
- radiation treatment of semiconductors
- superconductor production technologies

4. Radioecology

- nuclear-physical methods in radioecology
- ecological problems at nuclear explosion sites
- retrospective dosimetry
- radioecological problems of radioactive waste burying

5. Application of nuclear technologies in industry, medicine and agriculture

- problems of artificial and natural radionuclides in oil production
- production of radioisotopes and radiopharmaceutical preparations
- radionuclides impact on living organisms, radioimmune diagnostics
- nuclear technologies for agriculture

6. Regional problems of nuclear non-proliferation

SUBMISSION OF PAPERS

Electronic versions of the presentation abstracts are to be sent to the Conference Secretariat by **May 30, 2002** via **e-mail** as an attachment or on a floppy **3.5", Microsoft Word 6/0/95 or 97 file**. Use font **Times New Roman** of the font size 12 pt. The abstracts should not exceed 1 page of A4 size (210x297 mm) with the margins:

top - 25 mm; left - 30 mm;
bottom - 25 mm; right - 15 mm.

Presentation title is printed with all capitals. Authors last names and initials, the place where the work was done including state and city the authors represent are put two intervals below the title. The abstract is printed two more intervals below with one line spacing. Abstracts of the conference papers will be issued prior the Conference as a special edition.

Both paper and electronic copies of the full papers are to be presented to the Conference Secretariat at registration. The Conference Proceedings will be issued after the Conference.

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Title of the presentation _____

Authors _____

DEADLINES

March 1, 2002 – application deadline for participation in the Conference (should include titles of the proposed papers).

May 30, 2002 – deadline for receiving abstracts.

June 15 2002 – second announcement is issued.

CONTACT INFORMATION OF THE SECRETARIAT

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First Announcement



II Eurasian Conference on NUCLEAR SCIENCE AND ITS APPLICATION □



September 16-19, 2002

Almaty, Republic of Kazakhstan

CONFERENCE ORGANIZERS

*Ministry of Energy and Mineral Resources of the
Republic of Kazakhstan (RK)
Atomic Energy Committee RK
National Nuclear Center RK
Institute of Nuclear Physics NNC RK
Engineering Academy RK*

*Countries co-organizers of the Conference
Azerbaijan, Kyrgyzstan, Turkey, Uzbekistan*

First Announcement