

SEPTEMBER 4-8, 2011  
WORLD TRADE CENTER, MOSCOW



HOSTS

- STATE ATOMIC ENERGY CORPORATION ROSATOM
- RUSSIAN ACADEMY OF SCIENCES
- JOINT STOCK COMPANY ISOTOPE

7<sup>th</sup>  
International  
Conference  
on Isotopes

SUPPORTED BY

- WORLD HEALTH ORGANIZATION • RUSSIAN ACADEMY OF MEDICAL SCIENCES • INTERNATIONAL ATOMIC ENERGY AGENCY
- FEDERAL SERVICE FOR ENVIRONMENTAL, TECHNOLOGICAL, AND NUCLEAR SUPERVISION (ROSTEKHNADZOR)
- WORLD COUNCIL ON ISOTOPES

[www.ici7.com](http://www.ici7.com)



# I AM HONORED TO WELCOME YOU TO THE 7<sup>th</sup> INTERNATIONAL CONFERENCE ON ISOTOPES, AND TO MOSCOW ITS HOST CITY



**Sergey Kirienko**  
Director General  
State Atomic Energy  
Corporation Rosatom

**ISOTOPES LONG AGO GAINED** a firm footing in our daily lives. Today they are used in nuclear medicine, agriculture, and environmental safety. Russia possesses extraordinary experience in nuclear technology, production of isotope products, and non-destructive testing. It seems fitting to me, that this conference—the seventh ICI—should be held in Moscow.

The International Conference on Isotopes, convened once every three years, is distinguished by the preeminence of its participants. Heads of companies and leading scientists from all over the world gather to discuss the industry's most pressing issues. Since the previous International Conference on Isotopes, held in Seoul, Korea, in 2008, concern has grown regarding production and distribution of isotopes. These problems need to be resolved collectively by the professional community.

Another particularly acute problem is the shortage in global supply of molybdenum-99, a key isotope for medicine. The deficit in supply has reached serious proportions, with the wait for vital diagnostic tests growing longer each day. Therefore, we must devote conference discussions to the development of new isotopes production technologies and pay comprehensive attention to ensuring safe production, transportation, and disposal of isotopes as well as the proper legislative base for those activities. These matters give an even more important place to appropriate

staffing for the isotope field. Professional training must move to the foreground of our discussions.

Application of radioisotopes to benefit mankind could contribute significantly to promoting peaceful uses of nuclear energy. This area has come under worldwide scrutiny due to the serious accident at the Fukushima nuclear plant.

I trust that the 7<sup>th</sup> International Conference on Isotopes, with the collective experience and wisdom of its participants, will help us find the right approaches to today's challenges in the increasingly important isotope industry.

I wish you all success and fruitful cooperation.

## 7<sup>th</sup> INTERNATIONAL CONFERENCE ON ISOTOPES



### PLENARY & SECTION MEETINGS

*Presentations by scientists, representatives of leading domestic and foreign manufacturers of isotope products, and international experts on their application*

### ROUND-TABLE DISCUSSIONS

- *World trends in isotope production*
- *Perspectives on international collaboration to commercialize isotope production*
- *Formation of a climate conducive to investment in isotope production*

### EXHIBITION

- *Direct contact between isotope producers and users of isotope products*
- *Opportunities to lay groundwork for future cooperation*

ICI  
7



## SCIENCE PROGRAM

### Science program topics

**THE SCIENCE PROGRAM COMMITTEE**, led by Professor Mikhail Kovalchuk, Director of the Kurchatov Institute and corresponding member of the Russian Academy of Sciences, is forming the science sections of the conference so that they will be of equal interest to the scientific community and representatives of business.

During plenary and section meetings, leading scientists from Russia and abroad and representatives of international organizations, global scientific centers, and research and development departments of large companies—luminaries in the isotope field—will present papers and lead discussions.

- **Manufacture of isotopes and products derived from them:**
  - Reactors
  - Accelerators
  - Stable Isotopes

- **Isotope applications:**
  - Scientific research
  - Medicine and radio-pharmacology
  - Industry
  - Agriculture

- **Radionuclides in the environment:**
  - Isotope tracer
  - Radionuclide detection

- **Analytical and quality control systems in production and delivery of isotopes**

- **Safety:**
  - Radiation safety
  - Transportation
  - Disposal
  - Personnel training
  - Legislation

Fundamental and applied aspects in manufacture and application of isotope products

## BUSINESS PROGRAM

### Business program topics

**THE BUSINESS PROGRAM** of the conference addresses the business and scientific communities with opportunities to examine trends in isotope production and applications of isotope products, international experience in commercializing isotope production, and the roles of government and business in that process. Leaders in the global isotope market and representatives of government ministries and agencies and the Russian and foreign business communities will take part in round-table and open discussions during the business program.

- **International collaboration in developing new methods of producing isotopes and radiation equipment**

- **Outlook for development of the isotope and radiation equipment market**

- **New isotope applications in various industrial sectors**

- **Secure transportation of radioactive substances during import and export**

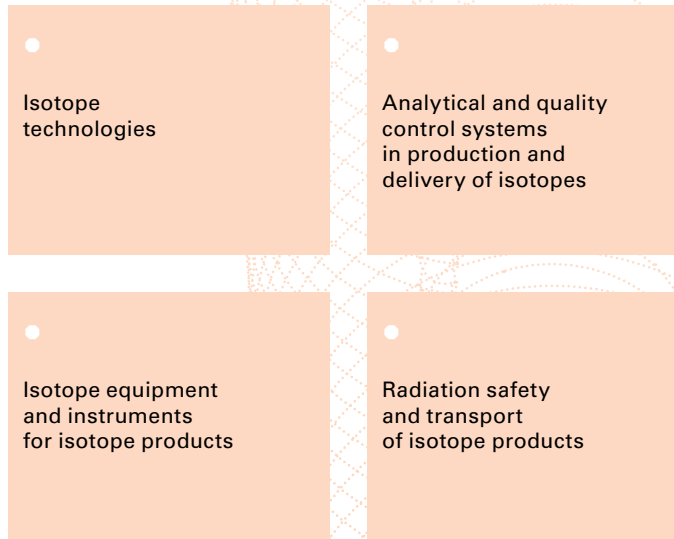
- **Recovery of useable isotopes**

Discussion of trends worldwide in commercializing isotope production and the role government and business in that process

## EXHIBITION

**THE EXHIBITION** accompanying the 7<sup>th</sup> International Conference on Isotopes gathers presenters of state-of-the-art isotope production technologies and equipment for isotope product applications. The exhibition will be held at the World Trade Center.

### Exhibition topics



## PARTICIPATION IN THE EXHIBITION

**THOSE WISHING TO SHOW** their products or models at the exhibition of the 7<sup>th</sup> International Conference on Isotopes are requested to complete the brief application form available on the ICI7 website: [www.ici7.com](http://www.ici7.com), and send it to the Organizing Committee. As space is limited, we advise you to make arrangements as soon as possible.

The exhibition will take place September 4–8, 2011, in the World Trade Center's Congress Hall. Congress Hall is a fully equipped 900-square-meter exhibition facility.

**FURNISHED SPACE** includes:

- Partitions demarking borders with neighboring booths
- Carpeting
- Company name in English in standard font and color
- Reception counter
- One electrical outlet for 220v (1.5 kW)
- Rubbish bin
- Coat rack
- Cleaning services
- Additional services and equipment may be ordered

*Please contact the Organizing Committee for other services or equipment.*

*Fees include general security, hall cleaning services, and the 18% VAT.*

The exhibition is an opportunity to meet Russian and foreign colleagues in an informal setting and to lay groundwork for future collaboration



Unfurnished space



Furnishings for standard booth



Minimum rental space

## DATES AND DEADLINES:

- Abstract submissions: through May 20, 2011
- Acceptance of presentations: through May 31, 2011
- Applications for exhibition space: through June 15, 2011
- Conference registration: through June 30, 2011

Conference participants will examine progress worldwide in designing innovative approaches to isotope production

€ 650

Early registration through May 20, 2011

€ 750

Registration after May 20, 2011

€ 150

Single-day registration

€ 100

Closing ceremony dinner

Free

Undergraduate and postgraduate students with a valid student ID are admitted free

## REGISTRATION FEE

includes:

- Conference admission
- Participation at all ICI7 science section meetings
- Admission to the ICI7 exhibition
- Conference packet
- ICI7 exhibition catalogue
- Booklet of ICI7 abstracts
- Book of conference proceedings
- Invitation to the opening ceremony
- Lunches and coffee-breaks

ICI7 is the place to promote isotope products and isotope services to your target audience

**KMP GROUP** is the official partner for hotel and excursion services for guests of the 7<sup>th</sup> International Conference on Isotopes. KMP Group is a major tour operator in Russia. It has many years of experience providing accommodations and tours to clients from across the globe.

KMP Group has reserved hotel rooms at discount rates for conference attendees and their families from September 3, 2011, to September 9, 2011. The hotels are appropriate and comfortably situated in relationship to the conference and exhibition at the World Trade Center.

In addition to hotel accommodations, KMP Group offers airport transfers, taxi service, excursions with English-speaking guides, and tickets to Moscow theaters, opera, ballet, and concerts. KMP staff will answer questions and make special arrangements for our guests.

**YOU MAY MAKE REQUESTS** for hotel accommodations by completing a form on the ICI7 site: [www.ici7.com](http://www.ici7.com). You will receive confirmation with the hotel name, the room type, dates, tariff, and an invoice. This information can be sent to you via e-mail or fax.

The deadline  
for securing hotel  
accommodations  
is June 15, 2011

**IN ORDER TO CONFIRM** your reservations, you must pay for your room(s) in full. The latest date to secure accommodation is June 15, 2011. You may make payment via wire transfer or with credit or debit cards—*Master Card, Visa, American Express, or Diners Club*. Details will be sent to you with your booking confirmation.



**ANY INFORMATION** concerning cancellation of your booking must be submitted in writing to KMP Group, our accommodations specialists. Cancellations are subject to various penalties.

- After June, 16, 2011:  
**20% cancellation fee**
- After August, 1, 2011:  
**50% cancellation fee**
- After August, 30, 2011:  
**100% cancellation fee**

You may change your arrival date by notifying KMP Group before 12:00 noon Moscow time on the day prior to your scheduled arrival. If you do not notify KMP, you must pay for the night even if you do not occupy the room.

#### KMP GROUP CONTACT

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## HOTEL DESCRIPTIONS



### CROWNE PLAZA EXECUTIVE CLUB HOTEL



The five-star Crowne Plaza Hotel is located 500 meters from the World Trade Center, near the building that houses the Government of the Russian Federation and the new Moscow-City business center. Red Square and the Kremlin, four kilometers away, are easily reached by taxi and public transportation. The hotel has 724 rooms, including 149 increased-comfort club rooms. Each room is furnished with an air-conditioner, satellite television, desk and reading lamp, three telephone sets with voicemail, mini-bar, iron/ironing board, tea/coffee accessories, a safe, and personal care items. The Crowne Plaza Executive Club has its own reception, suites with panoramic views of Moscow and the Moscow River, excellent European and classic Russian restaurants and bars, Club Lounge, and a fitness center.

[www.crowneplaza.com](http://www.crowneplaza.com)

#### WEEKDAYS

- Single and double rooms: €390

#### WEEKENDS AND HOLIDAYS

- Single and double rooms: €300

### RADISSON ROYAL HOTEL



The five-star Radisson Royal Hotel Moscow occupies a landmark neoclassical building (1957), one of the seven sisters, the Stalin Skyscrapers. In 2010, following restoration of its unique facades and interiors, the building was reopened as a hotel of the highest international standards under the new name of the Radisson Royal Hotel Moscow. That same year the Radisson Royal won the World Travel Award as Russia's leading luxury hotel.

The hotel offers 506 fashionable rooms of various categories, five haute cuisine restaurants, bars and coffee shops, an excellent collection of Russian paintings, sculptures, and a Moscow diorama, river cruises, and a wellness center of 4000 m<sup>2</sup>. Free Wi-Fi is provided throughout the hotel. It is an easy walk to St. Basil's Cathedral, the Kremlin, and other top attractions.

[www.radisson.com](http://www.radisson.com)

#### WEEKDAYS

- Single room: €280
- Double room: €320

#### WEEKENDS AND HOLIDAYS

- Single room: €170
- Double room: €220



**RADISSON SLAVYANSKAYA  
HOTEL**



The five-star Radisson Slavyanskaya is centrally located on the Moscow River with views of the Crystal Bridge, the Russian White House, and the Foreign Ministry. The Kremlin, Red Square, and the historic heart of Moscow are just three kilometers away. While not far from the World Trade Center, the hotel's location 50 meters from the Kievskaya Metro Station makes it an ideal choice for those who want to explore the city independently.

The Radisson Slavyanskaya Hotel has 410 comfortable rooms—standard and business class, half-luxe, and suites. All the rooms are equipped with air conditioning, computer ports, direct-dial telephones with voice mail, and mini-bar. The hotel has three restaurants and two bars, free Wi-Fi throughout, and a health center with many extra amenities.

[www.radissonsas.com](http://www.radissonsas.com)

**WEEKDAYS**

- Single room: €230
- Double room: €265

**WEEKENDS AND HOLIDAYS**

- Single room: €140
- Double room: €175

**GOLDEN RING  
HOTEL**



The Golden Ring is another five-star hotel. It is situated on the Garden Ring Road, opposite the Foreign Ministry building, which puts it within Moscow's historic downtown. The Golden Ring is a short distance from the Kremlin museums and Red Square and the World Trade Center. There are many embassies and representative offices of foreign companies in this part of the city. The hotel has 293 rooms of various classes, all with orthopedic mattresses on their beds. Each room is equipped with a safe, mini-bar, satellite television, independent air conditioning and heating, free internet access, and support for all kinds of electronic equipment. Services include free Wi-Fi, two restaurants and a confectionary, and a health and beauty center and spa.

[www.hotel-goldenring.ru/eng](http://www.hotel-goldenring.ru/eng)

**WEEKDAYS**

- Single room: €255
- Double room: €290

**WEEKENDS AND HOLIDAYS**

- Single room: €198
- Double room: €228

**HOLIDAY INN LESNAYA  
HOTEL**



The four-star Holiday Inn Lesnaya, situated on Lesnaya Street offers 301 modern, comfortable rooms. All the rooms at the Holiday Inn Lesnaya have patented anatomic mattresses and guests may choose standard, synthetic, antiallergenic, or down pillows. Rooms are equipped with satellite television, desk and lamp, phone with voicemail, and a mini-bar. Access is controlled with a multilevel security system. The Red & White Restaurant, nine small conference rooms, a business center, and a sports hall are located onsite.

[www.holidayinn.com](http://www.holidayinn.com)

**WEEKDAYS**

- Single room: €238
- Double room: €258

**WEEKENDS AND HOLIDAYS**

- Single room: €120
- Double room: €125

**COSMOS  
HOTEL**



The Cosmos Hotel is a three-star hotel located in Moscow's northeast quadrant. Built for the 1980 Olympic Games, the 25-story hotel is on one of the city's major streets, Prospekt Mira, just 20 minute from the center of the city. The hotel is near public transportation, the All-Russia Exhibition Centre (VVC), Ostankino Tower—the tallest tower in Europe and the third tallest in the world—the Kuskovo palace and estate of Count Sheremetev, and the Olimpiyskiy sports complex. This is a green area of the city with many parks nearby. The Cosmos has 1,777 rooms of various classes. All are furnished with central air conditioning, satellite television, Internet access, and a refrigerator. There are three restaurants, a cafe, seven banquet halls, a night club, bowling alleys, a concert hall, a business center, a beauty salon, and a fitness center.

[www.hotelcosmos.ru/eng](http://www.hotelcosmos.ru/eng)

**WEEKDAYS**

- Single room: €80
- Double room: €90

**WEEKENDS AND HOLIDAYS**

- Single room: €80
- Double room: €90



## SIGHTSEEING PROGRAM



### BECOME ACQUAINTED WITH MOSCOW (3-4 HOURS)



#### *Excursion program:*

*Red Square, View of the Kremlin from the Sophia Embankment, Cathedral of Christ the Savior, Monument to Peter the Great, House on the Embankment, Novodevichy Convent (exterior only), Moscow State University, Vorobyovy Gory (Sparrow Hills), Poklonnaya Gora (Poklonnaya Hill), Moscow's Triumphal Gate, Kutozovskiy Prospekt, Novy Arbat, Boulevard Ring, Manezhnaya Square, Theatre Square, Tverskaya Street, Pushkin Square*

Moscow is the capital of Russia, a dynamically growing, extremely diverse metropolis with innumerable points of interest and cultural opportunities. KMP Group offers guided tours to help visitors orient themselves to some of the places you won't want to miss and hear about their roles in the city's history. We will take you to the newly renovated Red Square and Manezhnaya Square, returned to its former glory and boasting an underground trade and recreation center. You will see the golden cupola of the Cathedral of Christ the Savior, the picturesque Novodevichy Convent at a bend in the Moscow River, and the Stalin Skyscrapers represented by the Moscow State University building on Sparrow (Vorobyovy) Hills from which you can enjoy a panoramic view of the entire city.

### KREMLIN, AND THE ASSUMPTION AND ARCHANGEL CATHEDRALS (3 HOURS)



*This program is offered daily, except on Thursday.*

For a visitor to Moscow, the Kremlin is an absolute must-see. The Kremlin is the largest extant medieval fortress in Europe, Russia's spiritual center, a stronghold of power, and a treasury of the arts.

Many centuries ago, the Kremlin walls on Borovitsky Hill marked the borders of Moscow. Through the ages, the Kremlin has been the setting for important events that make up Russia's historical and literary canvas. To this day, the Kremlin is the country's government center. It is also home to some of the most highly regarded museums in Russia. A guide will take you on a walking tour of Kremlin squares and gardens, entertaining you with stories of the Tsar-Cannon and Tsar-Bell, and lead you through visits to the Archangel, Assumption, and Annunciation cathedrals.

*KMP Group would be pleased to arrange tours for you to other important Moscow sites.*

## ORGANIZERS OF THE CONFERENCE



ROSATOM

### STATE ATOMIC ENERGY CORPORATION ROSATOM

State Atomic Energy Corporation Rosatom unites more than 250 enterprises and scientific institutions, among them, all non-defense companies in the nuclear sector, enterprises in the nuclear weapons complex, research organizations, and the world's only nuclear-powered fleet. Rosatom is the largest utility in Russia, producing in excess of 40 percent of the electric power in the European part of the country.

Rosatom carries out governmental policies in atomic energy, manages the use of nuclear power, ensures the stable functioning of the nuclear energy industry and the nuclear weapons complex and the country's nuclear and radiation safety. The state corporation is responsible for Russia's international commitments to peaceful use of atomic energy and non-proliferation of nuclear materials.

[WWW.ROSATOM.RU](http://WWW.ROSATOM.RU)



### RUSSIAN ACADEMY OF SCIENCES

The Russian Academy of Sciences is the preeminent scientific organization in the Russian Federation and a national center of fundamental research in natural and social sciences.

The Russian Academy of Sciences organizes and conducts fundamental research directed toward acquiring new knowledge of the laws of nature, society, and mankind for the technological, economic, social, and non-material development of Russia.

[WWW.RAS.RU](http://WWW.RAS.RU)



### JOINT STOCK COMPANY ISOTOPE

Joint stock company Isotope is a wholly owned subsidiary of Rosatom responsible for sales and distribution of isotope products, radiation-generating devices and equipment, and equipment for general and medical purposes.

Its primary activities:

- Delivery of isotope products to domestic and international markets
- Resolution of radiation safety issues for use of ionizing radiation sources within Russia
- Provision of isotope products to Russia's medical and scientific institutions
- Development of radiation technologies

[WWW.ISOTOP.RU](http://WWW.ISOTOP.RU)

Supported by:



RUSSIAN ACADEMY OF MEDICAL SCIENCES



International Atomic Energy Agency



РОСТЕХНАДЗОР  
Federal Service for Ecological,  
Technological and Nuclear Supervision



[www.ici7.com](http://www.ici7.com)



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