

Scientific program
of the International scientific and technical Symposium "Second
International Kosygin Readings "Energy and recourse efficient environmentally
friendly technologies and equipment", dedicated to the 100th anniversary of the
Kosygin Russian State University

PLENARY SESSION OF THE SYMPOSIUM

Plenary session No. 1

ASSEMBLY HALL of Kosygin Russian state University
(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

29th October, 2019

09.00-10.00 - registration

10.00-13.00 - Symposium work

13.00-14.00 - lunch break

14.10-16.30 - Symposium work

Regulation of the plenary:

the duration of the keynote speakers' presentations is 20-25 minutes,
speakers – 5-7 min. Break between presentations
and performances is 5-7 min.

№	Speaker	Report title
1	V. S. Belgorodsky Professor Rector of Kosygin Russian State University (Technologies. Design. Art) <i>Moscow, Russia</i>	THE OPENING OF THE SYMPOSIUM
2	Yu. V. Gulyaev Academician of RAS Member of the Presidium of RAS President of the Russian Union of scientific and engineering public associations (RUSEA) President of the Prokhorov Academy of engineering Sciences <i>Moscow, Russia</i>	RADIOPHYSICAL METHODS OF MEDICAL DIAGNOSIS

№	Speaker	Report title
3	<p>V. P. Meshalkin Academician of RAS Member of the board of the Mendeleev Russian chemical society Director of the international Institute of logistics, resource saving and technological innovation of Mendeleev University of Chemical Technology of Russia <i>Moscow, Russia</i></p>	<p>THE DIGITALIZATION AS AN INTELLECTUAL-TECHNICAL FACTOR OF ENERGY AND RESOURCE EFFICIENCY IMPROVEMENT OF PRODUCTION AND SUPPLY CHAIN OF A PETROCHEMICAL COMPLEX</p>
4	<p>N.N. Kulov Professor Vice-President of the Mendeleev Russian chemical society <i>Moscow, Russia</i></p>	<p>PROCESSES OF SEPARATION OF MIXTURES: PROBLEMS AND PROSPECTS</p>
5	<p>V. N. Blinichev Member of the RAS scientific Council on theoretical foundations of chemical technology Professor of Ivanovo State University of chemical technology <i>Ivanovo, Russia</i></p>	<p>MODERN TRENDS IN CREATION AND MAINTENANCE OF THE PROCESS OF EXPLOITATION OF ENERGY - SAVING EQUIPMENT IN THE CHEMICAL INDUSTRY</p>
6	<p>Abiyev R. Sh. Professor Head of the Department of St. Petersburg State Institute of Technology (Technical University) <i>Saint Petersburg, Russia</i></p>	<p>PROCESS INTENSIFICATION IN CHEMICAL ENGINEERING: PULSATIONS, VORTICES AND FLOWS IN MICROCHANNELS</p>

Plenary session No. 2

ASSEMBLY HALL of Kosygin Russian State University

(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

29th OCT, 2019

14.10-16.30 - Symposium work

Regulation of the plenary:

**the duration of the keynote speakers' presentations is 20-25 minutes,
speakers – 5-7 min. Break between presentations
and performances is 5-7 min.**

№	Speaker	Report title
1	B. V. Gusev Corresponding member of RAS President of the Russian Engineering Academy <i>Moscow, Russia</i>	THE MATHEMATICAL THEORY OF CORROSION OF CEMENT CONCRETE
2	S. V. Fedosov Academician of RAACS Advisor to the rector of Ivanovo State Polytechnic University <i>Ivanovo, Russia</i>	HEAT AND MASS TRANSFER PROCESSES IN SYSTEMS OF PROTECTION OF THE TECHNOSPHERE: INDUSTRIAL, FIRE- PREVENTION AND ENVIRONMENTAL ASPECTS
3	Dirk Bochar Secretary General European Federation of National Engineering Associations “FEANI” <i>Belgium, Brussels</i>	FUTURE CHALLENGES OF THE ENGINEERING PROFESSION IN THE LIGHT OF THE UN SUSTAINABLE DEVELOPMENT GOALS
4	E. V. Yurtov Corresponding member of RAS Head of the Department of the Russian chemical technology University <i>Moscow, Russia</i>	FIRE - AND HEAT-RESISTANT POLYMER COMPOSITES WITH NANOPARTICLES OF METAL COMPOUNDS

Plenary session No. 3
ASSEMBLY HALL of Kosygin Russian state University
(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

30th OCT, 2019

09.00-10.00-registration
10.00-13.00-Symposium work
13.00-14.00-lunch break
14.10-17.00-Symposium work

Regulation of the plenary:
the duration of the keynote speakers' presentations is 20-25 minutes,
speakers – 5-7 min. Break between presentations
and performances is 5-7 min.

№	Speaker	Report title
1	P. V. Akulich Professor Chief researcher of Lykov Institute of heat and mass transfer of NAS of Belarus <i>Minsk, Republic Of Belarus</i>	METHODS TO IMPROVE THE EFFICIENCY OF THE DRYING PROCESS OF LIQUID MATERIALS
2	V. V. Babkin Professor The President of the International Institute of problems on chemical modern economy <i>Moscow, Russia</i>	BEST AVAILABLE TECHNOLOGIES (BAT) AND NON-WASTE TECHNOLOGY: THE ILLUSION AND THE LAWS OF CHEMISTRY
3	G. E. Krichevsky Professor of Nanotechnology society of Russia <i>Moscow, Russia</i>	GREEN TECHNOLOGY - THE BASIS OF SUSTAINABLE DEVELOPMENT OF CIVILIZATION IN THE 21ST CENTURY
4	Tapio Salmi Professor Åbo Akademi University <i>Turku, Finland</i>	MICRO- AND MILLIREACTORS - A PATHWAY TO PROCESS INTENSIFICATION

№	Speaker	Report title
5	<p>V. E. Mizonov Ivanovo State Power Engineering University Professor <i>Ivanovo, Russia</i></p> <p>Henri Berthiaux Dr. Eng., professor Centre RAPSODEE, Ecole des Mines d'Albi-Carmaux <i>Albi, France</i></p>	<p>MIXING OF SOLIDS: FROM SIMULATION TO NEW DESIGN OF MIXERS</p>
6	<p>Krzysztof Śmiechowski Professor of the University of technology and Humanities in Radom <i>Radom, Poland</i></p>	<p>ECOLOGICAL PROBLEMS IN LEATHER PRODUCTION</p>

PLENARY SESSION OF THE SYMPOSIUM
Plenary session No. 4
ASSEMBLY HALL of Kosygin Russian state University
(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

30th October, 2019
14.10-17.00 - Symposium work

Regulation of the plenary:
the duration of the keynote speakers' presentations is 20-25 minutes,
speakers – 5-7 min. Break between presentations
and performances is 5-7 min.

№	Speaker	Report title
1	V. N. Blinichev Member of the RAS scientific Council on theoretical foundations of chemical technology Professor of Ivanovo State University of chemical technology <i>Ivanovo, Russia</i>	ON THE 90th ANNIVERSARY of ACADEMICIAN A. M. KUTEPOV
2	Semyon Levitsky Professor Dean of the Engineering Faculty <i>Beer-Sheva Campus</i>	MODELING OF ACOUSTIC PARAMETERS OF BUBBLE MIXES IN POLYMERIC LIQUIDS

BREAKOUT SESSIONS OF THE SYMPOSIUM

Kosygin Russian state University

(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

31 OCT 2019

09.00-10.00-registration

10.00-13.00-Symposium work

13.00-14.00-lunch break

14.10-17.00-Symposium work

**Regulation of the plenary:
the duration of the keynote speakers' presentations is 20-25 minutes,
speakers – 5-7 min. Break between presentations
and performances is 5-7 min.**

SECTION 1.

**"ENERGY AND RESOURCE SAVING TECHNOLOGICAL PROCESSES AND
EQUIPMENT OF CHEMICAL, TEXTILE, LIGHT, FOOD AND OTHER
INDUSTRIES AND AGRICULTURE»**

Subsection 1.1.

**"MODERN METHODS OF INCREASING OF ENERGY AND RESOURCES
EFFECTIVENESS OF PROCESSES, EQUIPMENT AND INDUSTRIES»**

Subsection 1.2

**"RESEARCH, DESIGN AND CONSTRUCTION OF ENERGY AND RESOURCE
EFFECTIVE PROCESSES AND TECHNOLOGICAL SYSTEMS»**

Co-chairmen:

Professor A. V. Akulich,

corresponding member of RAACS V. S. Lesovik,

Professor V. N. Khmelev

Professor L. I. Zhmakin.

SECTION 2.

"PROCESSES AND SYSTEMS FOR THE PROTECTION OF THE
TECHNOSPHERE (INDUSTRIAL AND ENVIRONMENTAL SAFETY, RISK
MANAGEMENT)»

Co-chairmen:

Academician of RAACS S. V. Fedosov

Professor N. R. Kildeeva,

Professor V. A. Akatiev,

Professor E. S. Vainerman.

SECTION 3.

"MODERN HEAT AND MASS TRANSFER PROCESSES IN VARIOUS
INDUSTRIES."

Co-chairmen:

Professor V. N. Blinichev

Professor S. P. Rudobashta

Professor M. G. Berengarten

Professor A. G. Lipin

SECTION 4.

"INFORMATIZATION AND COMPUTERIZATION OF ENERGY AND
RESOURCE EFFECTIVE PROCESSES AND TECHNOLOGICAL SYSTEMS.
OPTIMIZATION AND MANAGEMENT OF PRODUCTION SYSTEMS AND
PROCESSES»

Co-chairmen:

Academician of RAS V.P. Meshalkin,

Professor A.N. Labutin,

Professor O.R. Dornyak,

Associate Professor O.I. Sedlyarov.

SECTION 5.

**"THE IMPROVEMENT OF TEACHING ENGINEERING DISCIPLINES IN THE
TECHNICAL UNIVERSITIES»**

Co-chairmen:

Professor E. S. Bokova

candidate of technical Sciences S. P. Drukarenko

Associate Professor M. G. Davidkhanova

Professor A. A. Voroshilova

POSTER SESSION SECTIONS №1, №2, №3, №4

Kosygin Russian State University

(Malaya Kaluzhskaya str., 1, M. Shabolovskaya)

01 NOV 2019

09.00-10.00-registration

10.00-12.00-Symposium work

12.00-13.00-Closing Of The Symposium