



V Russia-Taiwan Scientific and Technological Forum – 2017
MATERIALS AND TECHNOLOGY, ECOLOGY OF LIFE
Program

Date	Forum Event	Exhibits, Materials, Content	Expert
31.07 10.00	<p style="text-align: center;"><u>Приветствие</u> <i>President of IAE and RAE, corresponding member of RAS, Dr.SC., prof.,</i> Boris Vladimirovich GUSEV</p> <p style="text-align: center;"><u>Scientific and Practical Conference MATERIALS AND PROCESSES</u></p>		
10.15	<p>M1. The technology of nonlinear optics (NO) - crystals for functional radioelectronics Dr.Sc., prof. Victor Adolfovich Krakowski, IAE academician</p>	<p>- Presentation. RKTP elements and serial samples of products of nonlinear optics, leaflet, offers</p>	<p>Yen-Chieh Huang</p>
11.30	<p>M2. Increase of service life - Strengthening repair-and-recovery mixtures Ph.D. Anatoly Alexandrovich Bainov, RAE academician</p>	<p>- Presentation. Samples of repair and recovery mixtures (RRM), leaflet, cooperation offers</p>	<p>Hui-Ping Tseng</p>
12.30	<p>M3. Early seismic activity forecast - Aerosol detection of seismic activity Dr.Sc., prof. Yuri Nikolaevich Filatov, RAE academic advisor</p>	<p>- Presentation. Aerosol method of early seismic activity detection, leaflet, offers</p>	<p>Kuo-Chun Chang</p>
12.50	<p>M4. Gravitational Material Science - Production of extra pure metals and alloys Ph.D. Alexander Ivanovich Bazhanov, IAE academician</p>	<p>- Presentation. Ligatures for metallurgical processes, leaflet, cooperation offers</p>	<p>Hui-Ping Tseng</p>
13.30	<p style="text-align: center;"><u>Buffet = lunch</u></p>		<p>Chao-Bang Wang</p>
14.30	<p>M5. Composite polyurethanes - Repair-and-recovery compounds for concrete Ph.D. Sergey Yurievich Petrunin, RAE academic advisor</p>	<p>- Presentation. Serial products for waterproofing and filling voids in concrete, leaflet, cooperation offers</p>	<p>Der-Jang Liaw</p>
15.00	<p>R1. Industrial introscope - Structural studies of aggregates and machines Dr.Sc., prof. Eduard Ilyich Vineberg, IAE academic advisor</p>	<p>- Presentation. Precision flaw detection, non-destructive testing of materials and aggregates, leaflet, offers</p>	<p>Jenn-Chuan Chern</p>
15.30	<p>R2. Wave optical Receiver - A tool for geoinformation monitoring Ph.D. Sergey Valerevich Firstov, RAE corresponding member</p>	<p>- Presentation. Prognostic method of acoustic monitoring of earthquakes and tsunamis, leaflet, scientific and technological cooperation offers</p>	<p>Kuo-Chun Chang Yen-Chieh Huang</p>
17.00	<p style="text-align: center;">Prof. B.V. Gusev, Prof. Jenn-Chuan Chern Summing up Conference results</p>		

19.00 **Cultural Program: Bolshoi Theater**, historical stage, ballet **Anna Karenina**

Forum Organizer - International Academy of Engineering, IAE President Boris Vladimirovich Gusev

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01.08	<u>Scientific and Practical Conference</u> <u>ECOLOGY and RESOURCE CONSERVATION</u>		
10.00	E1. Wind generation with flow acceleration - Closed thermodynamic turbines Ph.D. Alexander Ivanovich Ovchinnikov , IAE corresponding member	- Presentation. Working model of an effective wind turbine, leaflet, cooperation offers	Jenn-Chuan Chern
11.30	E2. Deep organic processing - Analysis of the market of industrial bio-gasifiers Dr. Sc., prof. Sergey Vasilievich Pashkin , IAE and RAE academician, Ph.D. Alexander Vladimirovich Okunev , IAE academic advisor	- Презентация. High-temperature wastes recycling process (HWRP), leaflet, cooperation offers	Song-Jeng Huang
	<i>Buffet = lunch</i>		Chao-Bang Wang
12.15			
13.15	E2. Kinetics of hydrolysis of biomass - Energy balance of supercritical states of liquid environments Ph.D. Alexey Vladimirovich Artamonov , RAE academician	- Presentation. Compact hydrolysis of biomass; material and energy balance, leaflet	
13.45	E2. The fundamental basis of the HWRP method - Scientific and technological cooperation prospects Dr. Sc., prof. Sergey Vasilievich Pashkin , IAE and RAE academician DExpert, prof. Anatoly Alekseevich Speranskiy , IAE and RAE academician	- Presentation. Prospects for joint research of high-temperature thermochemical processes, leaflet, cooperation offers	Hui-Ping Tseng
14.30	E3. The fundamental basis of the HWRP method (UN topic) Ph.D. Alexander Ivanovich Ovchinnikov , IAE corresponding member Ph.D. Maxim Valerievich Gubanov , RAE academic advisor	- Presentation. Functional modular prototype of an individual-group fecal utilizer, leaflet, предложения о сотрудничестве	Jung-Jeng Su
15.15	E3. Social aspects of fecal gasification (UN expertise) DExpert, prof. Anatoly Alekseevich Speranskiy , IAE and RAE academician	- Presentation. Functional modular prototype of an individual-group fecal utilizer, leaflet, cooperation offers	
16.00	<i>Dessert and souvenirs</i>		
16.30	Prof. B.V. Gusev, Prof. Jenn-Chuan Chern Summing up Conference results		

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02.08	<u>Scientific and Practical Conference ECOLOGY OF LIFE</u>		
10.00	E4. Microbiological protein (MBP) - Feed protein from cellulose-containing waste Dr.Sc., prof. Valentina Sergeevna Orlova , IAE academician	- Presentation. Experimental production of natural protein concentrate (MBP), leaflet, offers	Jung-Jeng Su
11.30	E5. Natural food concentrates - Ecorecipes of immunomodulating drinks Ph.D. Mikhail Evgenievich Mandryka , RAE academic advisor	- Presentation. Samples of serial food products in the drink group, tasting, leaflet, offers	Jung-Jeng Su
12.15	<u>Buffet = lunch</u>		Chao-Bang Wang
13.15	E6. Sunroot agrotechnology - Processing with insulin and bioethanol Dr.Sc., prof. Evgeny Alexandrovich Mandryka , IAE academician	- Presentation. Techniques and world experience in immunomodulating products and bioenergy, leaflet, offers	Jung-Jeng Su
14.15	E7. Bioenergetically active water - Quantum activation technologies "Biophysics of water" Dr.Sc., prof. Pavel Albertovich Osipov , RAE corresponding member	- Presentation. Samples of health-improving, prolonged, nano-degassed and light water, leaflet, offers	Yen-Chieh Huang
15.00	M6. Biomedical analogue of Kevlar - Smart construction materials of the future Dr.Sc., prof. Pavel Albertovich Osipov , RAE corresponding member	- Presentation. Technology of thermobaric compactification of ultrahigh molecular weight PE, leaflet, cooperation offers	Der-Jang Liaw
15.40	Prof. B.V. Gusev, Prof. Jenn-Chuan Chern Summing up Conference results		Hui-Ping Tseng

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03.08	<u>Scientific and Practical Conference MATERIALS AND PROCESSES</u>		
10.00	Seismic oscillations in continuous environments. Report Dr.Sc., prof. Vasily Vasilyevich Saurin , IAE and RAE academician	- Presentation. Advanced technological solutions in problem areas of mechanics , leaflet, offers	Jenn-Chuan Chern
11.00	Visit to scientific laboratories of the Institute for Problems in Mechanics RAS Dr.Sc., prof. Vasily Vasilyevich Saurin , IAE and RAE academician	- Demonstration of complexes of applied research , leaflet, cooperation offers	Kuo-Chun Chang
12.30	<i>Buffet = lunch</i>		Chao-Bang Wang
13.30	M7 UV-polymer composites - Smart materials of VI technological order Ph.D. Alexander Nikolaevich Levish , RAE academic advisor Ph.D. Mikhail Fedorovich Prokhor , RAE academic advisor	- Presentation. Restorative repair technologies with universal protection and hardening , leaflet, cooperation offers - Presentation. Hardening of reinforced concrete and other objects of metallurgical and petrochemical production, ships and marine infrastructure	Yen-Chieh Huang
14.30	Prof. B.V. Gusev, Prof. Jenn-Chuan Chern Summing up Conference results		Der-Jang Liaw Hui-Ping Tseng

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- Anatoly Alekseevich Speranskiy, RAE VP science and technological development



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04.08	<p style="text-align: center;"><u>Negotiations and signing of Protocols on scientific and technological cooperation</u></p> <p style="text-align: center;">The Co-Chairs of the Working Group for Russia - Taiwan scientific and technological cooperation Head of the Science Directorate of the MTC, PhD, professor Dr. Fu, Xiao-Ming RAE VP science and technology, DExpert, professor Anatoly A. Speranskiy</p>		<p style="text-align: center;">Jenn-Chuan Chern</p>
10.00	<p>Proposals for Grant Support and Joint Scientific Research (JSR)</p>	<p>- Protocol of intentions on joint scientific research in the field of environmental safety</p>	<p style="text-align: center;">Kuo-Chun Chang</p> <p style="text-align: center;">Hui-Ping Tseng</p>
11.00	<p>Proposals for the organization of Joint Commercial Technologies (JCT)</p>	<p>- Protocol of intentions on joint commercialization of Russian safety technologies</p>	<p style="text-align: center;">Yen-Chieh Huang</p> <p style="text-align: center;">Der-Jang Liaw</p>
13.00	<p style="text-align: center;"><i>Reception</i> <i>Moscow-Taipei Commission</i> <i>for economic, scientific and cultural cooperation</i></p>		<p style="text-align: center;">Song-Jeng Huang</p>
14.00	<p style="text-align: center;">Prof. B.V. Gusev, Prof. Fu, Xiao-Ming, Prof. Jenn-Chuan Chern Summing up Forum results</p>	<p style="text-align: center;">- Awarding of Forum Participants</p>	<p style="text-align: center;">Jung-Jeng Su</p> <p style="text-align: center;">Chao-Bang Wang</p>

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