



# MATERIALS AND TECHNOLOGY. ECOLOGY OF LIFE

05 August 2017

Moscow

## MEMORANDUM

In Moscow from July 31 till August 05, 2017 on the initiative of the joint Russian and Taiwan group for Taipei-Moscow Economic, Scientific and Cultural Coordination Commission there was held **V Russia and Taiwan Scientific and Technological Forum MATERIALS & TECHNOLOGY. ECOLOGY OF LIFE.**

The forum, devoted to the solution of tasks and problems of the VI technological way was held in the form of Scientific and Practical Conferences:

### **MATERIALS (M) & PROCESSES (R), ECOLOGY & RESOURCE CONSERVATION, ECOLOGY OF LIFE (E)**

President of the Taiwan Chapter of the International Academy of Engineering (TCIAE) Jenn-Chuan Chern headed the delegation of the following Taiwan reputable and highly respected scholars and experts:

Professor Kuo-Chun Chang - Department of Civil Engineering, National Taiwan University;  
Professor Hui-Ping Tseng - Department of Civil Engineering, National Taiwan University;  
Professor Yen-Chieh Huang - Institute of Photonics Technologies, National Tsing Hua University;  
Professor Der-Jang Liaw - Department of Chemical Engineering, National Taiwan University of Science and Technology;  
Professor Song-Jeng Huang - Department of Mechanical Engineering, National Taiwan University of Science and Technology;  
Professor Jung-Jeng Su - Department of Animal Science and Technology, National Taiwan University;  
President J.P. Wang – J.P. Flag Company;  
Professor Chao-Ming Fu – Director of the Science and Technology, Representative Office in Moscow for TMECCC.

President of the International Academy of Engineering Professor Boris V. Gusev headed the delegation of the following Russian scholars and leading specialists in science and technology:

Professor Anatoly A. Speranskiy - RAE VP Science and Technological development (R&D);  
Ph.D. Alexander I. Ovchinnikov - Managing Director of the V Forum, IAE academician;  
Ph.D. Tamara V. Zhovnirenko - Protocol Director of the V Forum, IAE academician;  
Professor Victor A. Krakowsky - Director of the Company Kristal T, IAE academician;  
Ph.D. Oleg V. Anisimov - RAE Science and Technological Center of metallurgical processes;  
Professor Eduard I. Vineberg - RAE Research and Technological Center of non-destructive testing;  
Professor Sergey V. Pashkin - RAE Science and Technological Center of wastes recycling process;  
Ph.D. Maxim V. Gubanov - RAE Science and Technological Center effective wind turbine;  
Ph.D. Evgeny A. Levish - RAE Science and Technological Center of Smart materials;  
Professor Pavel A. Osipov, RAE Research and Technological Center of Heavy-duty composite;  
Ph.D. Alexander I. Bazhanov - RAE Science and Technological Center of Health monitoring.

Preliminary ranking of the presented by the participants of the V Forum reports, experimental models and prototypes proved its perspectiveness and significance:

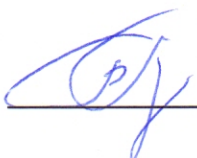
- 1-2. *Wind generation with flow acceleration.*
- 1-2. *Innovative Construction Technologies of Ruentex Group.*
2. *Individual-group fecal utilizer.*
3. *Seismic vibration in continuous medium.*
3. *New generation earthquake protection.*
3. *The technology of nonlinear optics.*
3. *Industrial introscope.*
3. *Natural microbiological protein.*
3. *New composites for implants.*
3. *Natural food concentrates.*
3. *Bioenergetically active water.*
4. *Gravitational Material Science.*

Rapid analysis of the V Forum proved its high significance and perspectiveness for holding joint Russian and Taiwan technological forums and scientific conferences for the sustainable development of our countries and peoples. The organizing committee of the V Forum believes that it will be practically reasonable for IAE to interact with universities, research and development centers, manufacturing companies and other creative teams on a regular basis.

The participants and experts of V Russia and Taiwan Scientific and Technological Forum – 2017 MATERIALS, TECHNOLOGY AND ECOLOGY OF LIFE highly assess the successful practice of the event held with the help of the joint efforts and back up efforts to discuss Proposals for Grant Support and Joint Scientific Research (JSR) and Proposals for the organization of Joint Commercial Technologies (JCT).

Intentions on joint scientific research in the field of environmental sustainability and on joint commercialization of Russian & Taiwan technologies are presented in the appendix attached to the memorandum.

**President of IAE and RAE,  
Dr.Sc., Professor**

  
Boris GUSEV



**President of TCIAE,  
Professor**

  
Jenn-Chuan CHERN



**Co-Chairman of the Russian group,  
Professor**

  
Anatoly A. SPERANSKIY

**Co-Chairman of the Taiwan group,  
Professor**

  
Kuo-Chun CHANG