

On the activity of



***The International Academy
of Engineering***










International Academy of Engineering



- **Azerbaijan Academy of Engineering;**
- **Armenian Academy of Engineering;**
- **Georgian Academy of Engineering;**
- **Kyrgyzstan Academy of Engineering;**
- **Tajikistan Academy of Engineering;**
- **Ukrainian Academy of Engineering;**
- **Uzbekistan Engineering Federation;**
- **Kazakhstan National Academy of Engineering;**
- **Russian Academy of Engineering;**
- **IAE Representative Office in Peru;**
- **IAE Representative Office in Slovenia;**
- **IAE Representative Office in Taiwan;**
- **IAE Central European Representative Office;**
- **IAE Representative Office in Belarus.**

PRIMARY AREAS

<p>POWER INDUSTRY</p>		<p><u>Renewable alternative sources of energy and energy storage units, generation, thermodynamic transformers, rational energy consumption</u></p>
<p>MATERIAL SCIENCE</p>		<p><u>composites, construction and biological nanomaterials with given controlled properties, pharmaceuticals, tissues and organs</u></p>
<p>ECOLOGY</p>		<p><u>Resource economy, waste utilization, organ-mineral material science, predictive monitoring, environmental protection</u></p>
<p>MACHINE BUILDING, TRANSPORTATION AND UTILITIES</p>		<p><u>Transport cooperation, mobile transport and information utilities, objects and systems of people and freight transfer in time and space</u></p>
<p>NETWORK IT</p>		<p><u>Management of the technological processes, homeostasis observation of the controlled system, mobile diagnostic, reliable analysis and predicting, risk assessment of the decision-making</u></p>
<p>ROBOTICS</p>		<p><u>System engineering of the mechanical observation operations and delivery including miniature manipulation, high-rise and underwater operations</u></p>
<p>ACTIVE LONGEVITY</p>		<p><u>Prolongation of active longevity, diagnostic development and addressing causes of pathobiology, tissue and organs repair</u></p>

Publications on the renewable energy



Block-modular boiler houses and systems of air heating and **cooling**

Block-modular boiler house INTERBLOCK does not require the installation of chimneys and the construction of special boiler buildings, there are no harmful emissions into the atmosphere. EFFICIENCY OF BMBH INTERBLOCK is 97-99%. Thermal power ranges from 100 to 5800kW



INTERBLOCK air heating systems are by 25-30% more economical than traditional boiler heating systems and by 8-10 times more economical than electric heating systems.

Organics' utilization



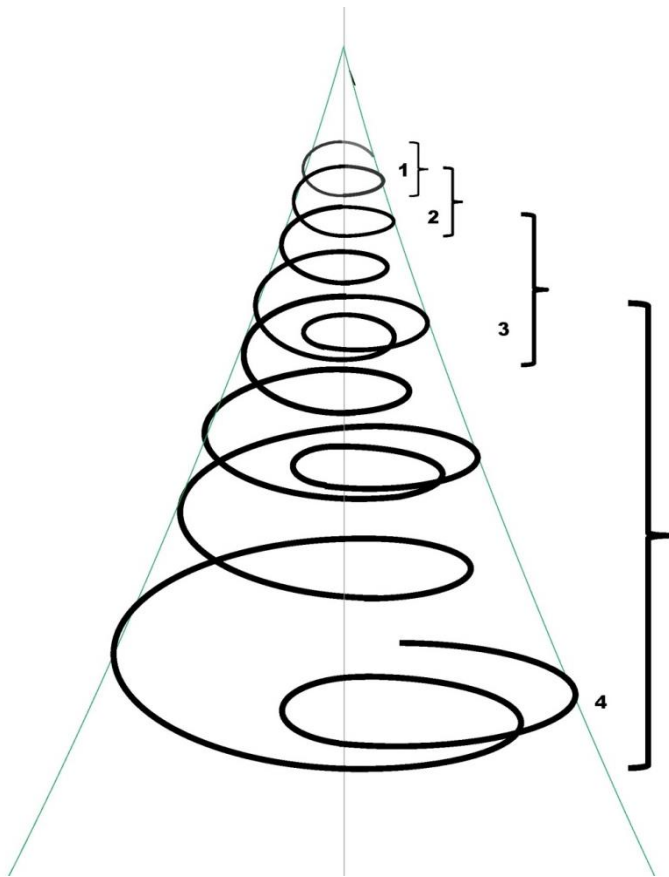
Biogas installation

Armenian Academy of Engineering

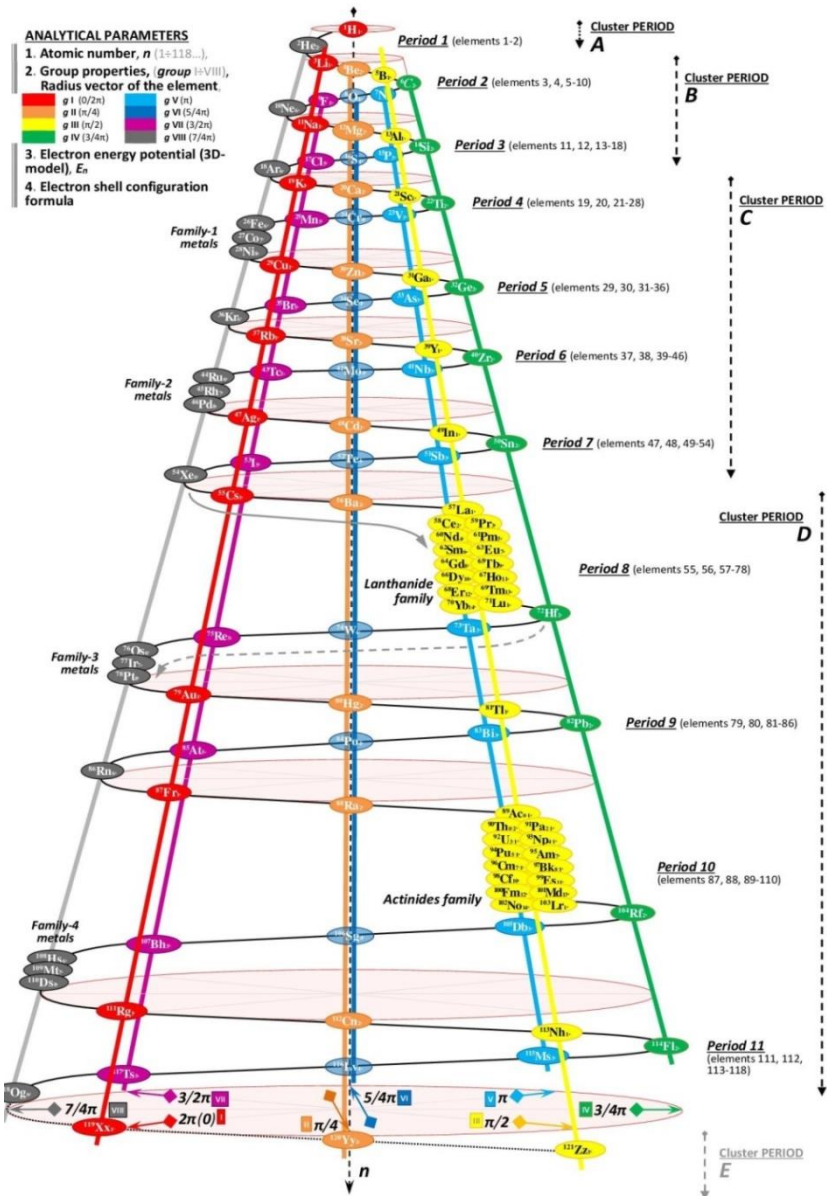
**System for fine water filtering
with the autonomous solar power supply**



Spatial spiral matrix of chemical elements



1, 2, 3, 4 – Block periodicity



Delegates and participants of the 1st Congress of Russian Engineers in the Grand Kremlin Palace



2018 Tang Prize Awarding Ceremony



World Congress of engineers and scientists WSEC-2017 " Future Energy: innovative scenarios and methods of their implementation»

It was attended by 4 Nobel laureates,
18 laureates of the international prize "Global energy"



IAE orders

New orders

**Order
«Engineering
Glory»**



S. Yin Order



Taiwan

B.E. Paton Order



Ukraine

All-Russian Competition named after the first printing pioneer Ivan Fyodorov

The competition is held in 3 nominations:

a) academic books

b) scientific and technical literature

c) reference and information books



For more information on the competition visit the website

<http://fedorov-ria.ru>