

V International Conference "Supramolecular Systems at the Interface"

The V International Conference "Supramolecular Systems at the Interface" will be held on September 11 to 15, 2017, in settlement Agoi, Tuapse Region, Russian Federation.

Conference Organizers

Russian Academy of Sciences (RAS)
Federal Agency of Scientific Organizations
Russian Foundation for Basic Research
A. N. Frumkin Institute of Physical Chemistry
and Electrochemistry, RAS

Section "Physical Chemistry of
Nano- and Supramolecular Systems" of the
Scientific Council for Physical Chemistry of the RAS
Kuban State University

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The subject matter of the Conference covers all issues related to the formation of supramolecular systems at the interfaces and study of their physicochemical properties.

The scientific program includes review (45 min), plenary (30 min), and oral (20 min) reports and posters according to the following topics:

- self-organization of functional molecules at the interface;
- assembly of planar supramolecular systems by the Langmuir—Blodgett and layer-by-layer electrostatic adsorption methods;
- supramolecular biomimetics;
- molecular recognition and sensors;
- supramolecular devices and machines on the surface;
- methods for investigation of ultrathin films.

It is planned to hold round-table and extended discussions.

The working languages of the Conference are Russian and English.

The International Youth Workshop "Macrocyclic Compounds at the Interface of 2017" will be conducted at the Conference; oral reports will be presented by young scientists. The Workshop program of 2017 includes the following topics:

- design principles of supramolecular architectures and self-assembly at the interface;
- modern methods for investigation of structures and properties of macrocyclic compounds;
- applied aspects of crown ether, porphyrin, and phthalocyanine chemistry;
- advanced technologies in the fabrication of biomimetic systems, molecular machines, and nanosensors;
- new approaches to the formation of functional devices on the surface.

A competition of young scientists is planned within the Workshop. The best reports will be awarded with certificates and prizes.

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