

SCIENTIFIC LIFE

SOL–GEL 2016 *

The 4th International Conference of CIS countries “Sol–Gel Synthesis and Investigation of Inorganic Compounds, Functional Hybrid Materials and Disperse Systems” (“Sol–Gel-2016”) by an initiative of the Institute of Silicate Chemistry of Russian Academy of Sciences (and the decision of the Organizing Committee of the previous Conference) will be held on September 19–23, 2016, in Yerevan, Armenia. Its organizer is the Yerevan State University (YSU) in collaboration with the Institute of General and Inorganic Chemistry of the National Academy of Sciences, the Republic of Armenia (IGIC NAS RA) both conducting advanced researches in this field of science.

Sol-gel technology is one of the most perspective approaches for creation of materials with specified complex of properties, first of all, the nano-materials. Ability to control the composition, properties, and nano-architecture of nano-systems puts sol-gel technology in the forefront of the modern Materials Science. The priority of modern materials science in the search for new types of materials is always to obtain good insight into fundamental principles of controlling the properties of organic and inorganic compounds, nanoparticles, films, colloidal systems.

Principal Topics of the Conference:

- New Applications for Sol-Gel Materials.
- Organic-Inorganic Hybrid Materials.
- Size and Shape Control in the Synthesis of Nanoparticles. Colloid Materials.
- Self-Assembly, Supramolecular and Hierarchically Structured Sol-Gel Materials and Sorbents.
- Biomaterials, Bio-hybrids and Biomimetic Materials, Controlled Release.
- Thin Films, Coatings and Surfaces.
- Aerogels and Insulating Materials.
- Sol-gel Materials for Electronic Applications (Magnetic, Ferroelectric, Semiconductor).

* <http://www.solgel2016.y-su.am>

- Sol-Gel Materials for Optics and Photonics.
- Sol-Gel Materials for Energy, Sensor, Solar and Space Applications.
- Sol-Gel Materials for Catalysis and Membranes.
- Sol-gel Science & Technology and Industry.

Russian famous chemist Vladimir Shevchenko, Academician of the Russian Academy of Sciences, Director of the Institute of Silicate Chemistry, RAS is the Head of the Conference Organizing Committee, vice-heads – Academician of the National Academy of Sciences Gegham Gevorgyan, vice-rector of the Yerevan State University, and Academician of the National Academy of Sciences Levon Tavadyan, Director of the Institute of Chemical Physics of NAS, Academician-secretary of the branch of Chemistry and Earth Sciences of NAS.

One of the members of the Conference Organizing Committee Jean-Marie Nedelec is currently the President of the International Sol-Gel Society and the President of the Solid State Chemistry division of the French Chemical Society. His current research includes bio-ceramics, cellulose based materials, hierarchically porous materials and their characterization.

More than 80 scientists from Russia, Belarus, Armenia, Ukrain, Georgia, Slovakia, Poland, Sweden, Germany, France have confirmed their participation in Conference.

*Scientific Secretary, Coordinator:
prof. Hambarzoum Khachatryan*