

ALD 2016 Ireland

Malygin Anatolii

A head of department “Chemical nanotechnology and materials for electronic engineering” in St.-Petersburg State Technological Institute (Technical University).



Malygin Anatolii Alekseevich – doctor of chemical sciences, professor, a head of department “Chemical nanotechnology and materials for electronic engineering” in St.-Petersburg state Technological Institute (Technical University).

The area of scientific interests - chemistry and technology of solid substances' surface modifying for various applications in nanotechnology, nanomaterials: sorbents, catalysts, nanocomposite materials, polymers with lowered combustibility, luminophores, "core-shell" pigments and fillers, ceramics etc.

He is a specialist and one of the leader in Russia in development of the Molecular Layering method (ML or ALD) for modifying of the surface of inorganic and organic materials, research of chemical conversions in superthin coatings and their influence on physical-chemical and on functional properties of a variety of solid-phase materials. The results of fundamental researches were realized in some fields of industry: in vacuum electronics, in instrument-making etc.

Malygin A.A. is the co-author of 6 monographies, of more than 600 scientific publications, has more than 70 patent certificates. He is a deputy chief editor of the Russian Journal of Applied Chemistry, a member of the editorial board of the Russian Journal of General Chemistry, Russian chemical journal, is an expert of the Russian Foundation for Basic Research, of the Russian Scientific Foundation, of the company "RUSNANO".