

Alexander V. Rodin  
R&D Center for Environmental Monitoring at the Moscow Institute of Physics and Technology,  
executive director



[alexander.rodin@phystech.edu](mailto:alexander.rodin@phystech.edu)  
[rodin.av@mipt.ru](mailto:rodin.av@mipt.ru)

+7 916 617 3377

Born in April 21, 1968 in Moscow

Graduated from MIPT in 1991

Candidate of Science (PhD) in 1996, Space Research Institute (IKI)

Doctor of Science in 2023, Moscow Institute of Physics and Technology (MIPT)

In 1991-2019 – engineer, research associate, senior research associate at IKI (part time since 2003).

Since 2003 till present – associate professor, deputy dean, head of laboratory, executive director of an R&D center at MIPT.

A.V. Rodin is one of the leading Russian experts in planetary climate, laser spectroscopy, science instruments design and complex solutions for operational monitoring. Co-I of international projects Mars Express, Venus Express, ExoMars aimed at the exploration of Solar System planets by means of unmanned spacecraft, experiments onboard International Space Station. A.V. Rodin has contributed substantially to the ultra-high resolution heterodyne infrared spectroscopy, a field currently quickly developing worldwide and applied, in particular, for monitoring greenhouse gases. The technology related to complex operational monitoring of selected territories and objects of interest, including Northern Sea Route, natural reserves, carbon polygons etc., is being advanced under his leadership. Alexander Rodin is a co-author of 106 research papers indexed by international databases, including 6 papers in *Nature*, his *h*-index is 27. A supervisor of the master program at MIPT “Industrial and Environmental Monitoring”. Author of the popular science cycle “Terrestrial and Planetary Climate” in the *Radio of Russia* program “Russian Radio University”.