



Dr. Rasa Pauliukaite PHOTO Paulius Kijauskas

At the Forefront OF NANOTECHNOLOGY RESEARCH

TEXT

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THE *Centre for Physical Science and Technology (FTMC)*, established in 2010 when the *Institutes of Chemistry, Physics and Semiconductor Physics* in Vilnius combined with the *Textile Institute* in Kaunas, is today the largest scientific research institution in Vilnius and one of the leading scientific institutions in Lithuania. It carries out fundamental research and technological development work in fields such as laser technologies, optoelectronics, nuclear physics, organic chemistry, bio- and nanotechnologies, electrochemical material science, functional materials and electronics. The work undertaken at

FTMC is not only innovative science, but also of the utmost importance to state, society and business needs too.

Being equipped with modern laboratory facilities and uniting the best of Lithuanian researchers, most of the centre's scientific investigations are unique not only in Lithuania, but also in the world, and many of its technological discoveries and scientific successes have become renowned at the international level. Boasting 38 habilitated doctors of science, 246 doctors of science, more than 500 researchers and 60 Ph.D students working at FTMC it has carried out more than 300 scientific

investigations on order of business entities and contributed to the accomplishment of business goals of more than 100 enterprises.

Of such an illustrious set of minds working collaboratively, Dr. Rasa Pauliukaite is one of the centre's frontrunners in Nanomaterials. She received a Ph.D in the field of physical chemistry from the Institute of Chemistry, Vilnius, in 1998 before going on to postdoctoral studies in 2000 at *Karl-Franzens University*, Graz (Austria) and then further studies in Slovenia, Switzerland and Portugal. She is today the Head of the *Laboratory of Functional*