



Dr. Mantas Šimėnas – associate professor and senior researcher at Institute of Applied Electrodynamics and Telecommunications, Faculty of Physics, Vilnius University. M. Šimėnas defended his PhD thesis „Electron paramagnetic resonance spectroscopy of hybrid metal-formate frameworks“ in 2018 (supervisor Prof. Jūras Banys). After his PhD (2019-2021), M. Šimėnas won a prestigious UCLQuantum grant and worked together with Prof. John Morton in a famous Quantum Spin Dynamics group at University College London. Currently M. Šimėnas is interested in the following areas: electron paramagnetic resonance, dielectric spectroscopy, hybrid metal-organic materials, structural phase transitions, electron spin quantum technologies and simulation of molecular self-assemblies using Monte Carlo methods.

M. Šimėnas is a co-author of a monograph on the EPR spectroscopy and has already published 65 papers (35 after his PhD) in high impact journals such as Science Advances, Nature Communications, Journal of the American Chemical Society, Journal of Materials Chemistry A, and Nanoscale. M. Šimėnas has h-index of 16 and close to 700 citations. He is also a co-author of an international patent related to the EPR technology development. M. Šimėnas gave 16 talks (4 invited) about his research results at various international conferences.

M. Šimėnas is actively participating in research projects, is a member of Lithuanian Physics Society, is active reviewer in prestigious physics/chemistry journals, and helps to organize international conferences. He also received various awards for his research: The best PhD thesis laureate (LJMS, 2019), Vilnius University Rector prize (VU, 2018), “The best young researcher and PhD student” award (LMA, 2018). In 2021, M. Šimėnas won a prestigious VU and Marius Jakulis Jason foundation grant to continue his research at VU.