



## DARIUS MILČIUS

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Darius MILČIUS is Director of the Research and Innovation Department at Vytautas Magnus University and Senior Researcher at the Center for Hydrogen Energy Technologies of the Lithuanian Energy Institute. He has been active in hydrogen research, materials science, and energy systems, with a particular focus on hydrogen production, storage, and utilization technologies, as well as their integration into sustainable energy systems.

He received his PhD in Materials Engineering in 2000 and has since led and contributed to numerous national and international research projects, including Horizon 2020 and Horizon Europe, as well as projects funded by Nordic Energy Research and USA DoE programmes.

Darius has extensive experience in innovation management, technology transfer, and policy-related aspects of energy transition. He has been actively involved in international collaboration networks, including participation in the International Energy Agency Hydrogen Implementing Agreement Tasks related to hydrogen storage materials (till 2017) and served as Member of State Representative Group (representing Lithuania) at EU Fuel Cells and Hydrogen Joint Undertaking from 2018 till 2022.

He has authored more than 100 scientific publications and holds several patents in the fields of hydrogen production, nanomaterials, and energy technologies. His current work focuses on advancing sustainable hydrogen solutions, including CO<sub>2</sub> utilization pathways, plasma-catalytic processes, and circular approaches to energy materials, contributing to the transition towards climate-neutral and resource-efficient energy systems.