



Claudio Pistidda

Role(s)

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Claudio Pistidda is a Privatdozent in Materials Engineering and Head of the Materials Design Department at the Institute of Hydrogen Technology, Helmholtz-Zentrum Hereon in Germany. He is a physical chemist with extensive expertise in materials science and sustainable synthesis, focusing on advanced materials for hydrogen storage, energy conversion, and circularity-driven technologies.

At Hereon, he leads multidisciplinary research activities and manages national and international projects on innovative materials for the energy transition, with a strong emphasis on scalable manufacturing and the use of secondary raw materials. He has previously led the Materials Research Group at Hereon and has played a central role in advancing hydrogen-related materials technologies since his early career as a researcher within the Helmholtz Association.

Dr. Pistidda has authored more than 170 peer-reviewed publications, holds patents, and is an active contributor to the scientific community through invited lectures, editorial activities, and conference organization. Alongside his research, he is a dedicated lecturer in materials and hydrogen-related technologies at several universities, combining scientific excellence with strong engagement in teaching and mentoring the next generation of engineers and scientists.

He led the Task Force on Hydrogen Storage and Distribution within the European Hydrogen Sustainability and Circularity Panel (EHSCP).