

Carcadea Elena

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Dr. Elena Carcadea is the coordinator of ICSI Energy, the former National Center for Hydrogen and Fuel Cells, part of the National Research and Development Institute for Cryogenics and Isotopic Technologies – ICSI Rm. Vâlcea, Romania.

She has been with ICSI for 28 years, dedicating the past two decades to research in hydrogen technologies and PEM fuel cells. Her work spans the full innovation chain, from fundamental studies and mathematical modeling of electrochemical processes, to experimental validation, with the goal of improving performance, reliability, and scalability of advanced energy technologies.

Dr. Carcadea's research focuses on hydrogen production, storage, and utilization, as well as the development of electrochemical devices for clean energy applications.

She represents ICSI in the Hydrogen Europe Research Association and the European Clean Hydrogen Alliance, and is a founding member of the Romanian Association for Hydrogen Energy.

