



## Canan Acar

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Canan Acar is an Associate Professor at the University of Twente (Netherlands), where she leads the Sustainable Energy Transition & Hydrogen (SETH) research line within the Faculty of Engineering Technology. With over 15 years of international research experience spanning the Netherlands, Canada, Turkey, and the United States, her work focuses on hydrogen energy systems, integrated energy systems design, and sustainability assessment across the full hydrogen value chain from production and storage through distribution and end use.

Her research combines advanced thermodynamics, exergy-based analysis, techno-economic assessment, and life cycle sustainability evaluation to develop and optimize hydrogen-based energy solutions for residential, mobility, industry, and offshore applications. She is the principal investigator and work package leader for multiple EU-funded projects.