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Omid Shahrokhi is a Research Fellow at Heriot-Watt University's Research Centre for Carbon Solutions, where he leads the technical development of the Eden Campus digital twin in ENSIGN, an Engineering and Physical Sciences Research Council (EPSRC) programme on integrated energy-system digital twins. His current work builds day-ahead photovoltaic forecasting pipelines from operational solar-farm telemetry, validated over a full year of measurements, and integrates distribution-network, electricity-market and gas-network data for multi-vector modelling of industrial clusters. He is also Heriot-Watt co-lead on the EPSRC MaxStoreUK project on hydrogen storage in porous rock. He holds a PhD in Petroleum Engineering from Heriot-Watt University and BSc and MSc degrees from Sharif University of Technology; his earlier research on CO₂ and hydrogen storage was cited in the Industrial Decarbonisation Research and Innovation Centre (IDRIC) Policy Synthesis Report 2022.

ICRERA 2026: Paper 208, *Telemetry-Only Day-Ahead PV Forecasting: Machine Learning Beats Persistence at Short Leads but Converges by 24 Hours* (oral presentation).