Stanford



Lamprini Papargyri

Postdoctoral Scholar, Earth System Science

Bio

BIO

Lamprini Papargyri is a postdoctoral scholar at Stanford University co-advised by Professor Steve Davis and Dr. Ken Caldeira. She earned her PhD in Civil and Environmental Engineering from the University of Cyprus, where she worked under the guidance of Professor Panos Papanastasiou to optimize the durability of materials used in photovoltaic systems. Her doctoral research employed advanced computational modeling using 3D finite element methods and XFEM to simulate stress, cracking, and degradation mechanisms in photovoltaic materials.

At Stanford, Lamprini's research lies at the intersection of climate policy, economics, and equity. Her current work explores how economies with income inequality can optimally allocate resources between income redistribution and emissions abatement. Beyond research, she has led and contributed to multi-million-euro research initiatives across Europe and remains deeply interested in the societal and ethical dimensions of emerging technologies. Broadly, she is interested in developing integrated models that inform equitable and sustainable pathways for climate mitigation and economic development.

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LINKS

- Google Scholar: https://scholar.google.com/citations?user=bsHPT9YAAAAJ&hl=en&oi=ao
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