Akylas Stratigakos

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EDUCATION

Mines Paris, PSL University
2020 – Present

PhD - Energy and Process Engineering
Sophia Antipolis, FR
- Research Areas: power systems, machine learning, forecasting, optimization, prescriptive analytics
- Advisors: Georges Kariniotakis, Andrea Michiorri

University of Patras
2009 – 2016

MEng - Electrical and Computer Engineering (GPA 6.75/10)
Patras, GR
- Specialization: Power Systems, Control
- Diploma Thesis: Design and Analysis of a Unified Power Flow Controller

EXPERIENCE

Data Scientist - Volunteer
2022 – Present

GIVMED, N.G.O.
Athens, GR
- Design of an optimization tool to facilitate the redistribution of leftover medical supplies to socially vulnerable groups in Greece.

Research Engineer
2017 – 2020

Independent Power Transmission Operator (IPTO), S.A.
Athens, GR
- Conducted research on power system flexibility under high penetration of renewables (Horizon 2020).
- Coordinated the installation of a Smart Grid controller in the transmission grid.
- Developed a probabilistic short-term load forecasting tool.

Private - IT Support
2016 – 2017

Military Service, Hellenic Army Academy
Athens, GR
- Contributed to the maintenance, support, and configuration of the Academy's IT infrastructure.

Electrical Engineer - Internship
2013

T.E.M.E.K. SA
Athens, GR
- Assisted the installation and maintenance of photovoltaic systems.

SELECTED PUBLICATIONS

Working/Under Review
- **A. Stratigakos**, P. Andrianesis, A. Michiorri, G. Kariniotakis. Towards Resilient Energy Forecasting: a Robust Optimization Approach, *under review*.

Full Papers
- **A. Stratigakos**, S. Camal, A. Michiorri, Georges Kariniotakis. Prescriptive Trees for Integrated Forecasting and Optimization Applied in Trading of Renewable Energy. IEEE Transactions on Power Systems, 2022.
- **A. Stratigakos**, D. van der Meer, S. Camal, G. Kariniotakis. End-to-end Learning for Hierarchical Forecasting of Renewable Energy Production with Missing Values. 2022 PMAPS.
- **A. Stratigakos**, A. Michiorri and G. Kariniotakis. A Value-Oriented Price Forecasting Approach to Optimize Trading of Renewable Generation. 2021 IEEE Madrid PowerTech, IEEE, Jun 2021, Madrid, Spain.

HONORS AND AWARDS

42nd International Symposium on Forecasting: Best Student Presentation Award	2022
42nd International Symposium on Forecasting: Travel Grant Award	2022
IEEE-CIS Technical Challenge on Predict+Optimize: Shortlisted performance	2021

ADDITIONAL INFORMATION

Spoken Languages:	Greek (native), English (proficient), German, French (basic)
Programming Languages:	Python, MATLAB, R
Optimization Modellers:	Gurobi, CVX, YALMIP
Memberships:	IEEE, Technical Chamber of Greece