

Curriculum Vitae 2025

Name and surname: Georgios ANTONOPOULOS
Position in ACER: Co-convenor of the SO GC Task Force

I. PROFESSIONAL EXPERIENCE

OCCUPATION / POSITION HELD	START DATE	END DATE	EMPLOYER	MAIN ACTIVITIES OR RESPONSIBILITIES
Policy officer - Electricity Department – System Operation and Grid Connection Codes Team	09.2022	ongoing	ACER	Responsible for decisions, recommendations and opinions of the Agency as well as implementation monitoring in the context of the System Operation and Grid Connection Codes
Project officer – European Commission, Joint Research Centre, Unit for Energy Security, Distribution and Markets	11.2016	08.2022	European Commission	Perform scientific research and provide policy feedback and technical support to other EC DGs and Member States regarding qualitative and quantitative policy impact assessment.
Power systems specialist - Electricity Networks Department	04.2013	10.2016	Regulatory Authority for Energy (RAE), Athens, Greece	Preparation of techno-economic studies, analyses and technical reports regarding the operation of the transmission and distribution system. Preparing analysis and suggestions for shaping the decisions and opinions of the Regulator.
Power systems specialist - System Operation and Planning Department	03.2005	03.2013	Independent Power Transmission Operator (IPTO), Athens, Greece	Responsible for analysing the transmission power system in order to optimise the operation of the system on a daily and seasonal basis, ensuring the safe, secure and cost-effective operation of the network.

Principal Technologist - Strategic Research Centre, Electrical Engineering Team	03.2000	09.2004	Rolls-Royce plc. Derby, United Kingdom	Responsible for identifying, evaluating and developing electrical engineering technologies, which were strategic to the Rolls-Royce group.
National Military Service	03.1998	09.1999	Greek Ministry of Defense, Greece	Working for the Greek Ministry of Defense in the Technical Department as part of the National Military Service
Teaching assistant & Lab Demonstrator - Department of Electronic & Electrical Engineering	10.1994	05.1997	University of Strathclyde, Glasgow, United Kingdom	Teaching Assistant & Lab Demonstrator in undergraduate and postgraduate classes of the Department of Electronic & Electrical Engineering of Strathclyde University
Student placement - Planning and Measuring Department	07.1991	08.1991	Public Power Corporation (PPC), Greece	Engineering student Placement in the Public Power Corporation (PPC) of Greece at the Planning and Measuring Department

II. EDUCATION

TITLE OF QUALIFICATION	START DATE	END DATE	NAME AND TYPE OF ORGANISATION	PRINCIPAL SUBJECTS COVERED
PhD in Electronic and Electrical Engineering	09.1994	02.1998	Department of Electronic & Electrical Engineering, University of Strathclyde, Glasgow, United Kingdom	Simulation, Control and Stabilisation of Power Systems
Diploma of Electronic and Electrical Engineer	10.1988	02.1994	Department of Electronic & Electrical Engineering, University of Thrace, Greece	Thesis title: "Modelling and Simulation of the Secondary Effects in the Operation of Induction Machine".

III. TRAINING SEMINARS

IV. PUBLICATIONS

- Jansen, L. L., Thomassen, G., Antonopoulos, G., & Buzna, L. (2022). An Efficient Framework to Estimate the State of Charge Profiles of Hydro Units for Large-Scale Zonal and Nodal Pricing Models. *Energies*, 15(12), 1–23. <https://doi.org/10.3390/en15124233>
 - Bompard, E.; Mosca, C.; Colella, P.; Antonopoulos, G.; Fulli, G.; Masera, M.; Poncela-Blanco, M.; Vitiello, S. The Immediate Impacts of COVID-19 on European Electricity Systems: A First Assessment and Lessons Learned. *Energies* 2021, 14, 96. <https://doi.org/10.3390/en14010096>
 - Jansen, L L, Purvins, A., Buzna, L., Antonopoulos, G., Zani, A., (2020). “Modelling methodology to assess the impact of demand elasticity on the Italian electricity system in a European Context”, 2020 17th International Conference on the European Energy Market (EEM) (pp. 1-6), Stockholm: IEEE
 - J. Prousalidis, G. Antonopoulos, P. Mouzakis, E. Sofras, “On resolving reactive power problems in ship electrical energy systems”, *Journal of Marine Engineering & Technology*, Vol. 14, No. 3, October 2015, pages 124-136
 - C. Patsios, G. Antonopoulos, J. Prousalidis, "Discussion on adopting intelligent power management and control techniques in integrated power systems of all-electric ships", *International Conference on Electrical Systems for Aircraft, Railway and Ship Propulsion - ESARS 2012*, Bologna, Italy, 16 - 18 October 2012
 - J. Prousalidis, C. Patsios, F. Kanellos, N. Tsekouras, G. Antonopoulos, "Exploiting shaft generators to improve ship efficiency", *International Conference on Electrical Systems for Aircraft, Railway and Ship Propulsion - ESARS 2012*, Bologna, Italy, 16 - 18 October 2012
 - Antonopoulos G., Prousalidis J., Patsios C., Greig A., Bucknall R., "Cold Ironing – An overview", 1st International MARINELIVE Conference on “All Electric Ship”, June 4-5, 2012, Athens, Greece
 - J. Prousalidis, G. Antonopoulos, C. Patsios, “Electric Ship Research and Development in Europe (MARINELIVE: A European funded project)”, *Proceedings of ESRDC 2012*, Austin-Texas (USA)
 - Mitcham A.J, Antonopoulos G, Cullen J.J.A, ‘Favourable Slot and Pole Number Combinations for Fault Tolerant Permanent Magnet Machines’, *IEE Proceedings on Electric Power Applications*, Vol. 151, No. 5, September 2004
 - Mitcham A.J, Antonopoulos G, Cullen J.J.A, ‘Implications of Shorted Turn Faults in Bar Wound Permanent Magnet Machines’, *IEE Proceedings on Electric Power Applications*, Vol. 151, No. 6, November 2004
 - Smith J.R, Aranyos B, Antonopoulos G, ‘Determination of Excitation Control System Settings’, *Generator Excitation Systems and Stability*, *IEE Colloquium on 6 Feb. 1996*, pages 8/1-8/6
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of Energy Regulators

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I, Georgios ANTONOPOULOS, hereby confirm, on my honour, that I am personally submitting this declaration.

Submitted on: 14.03.2025

Signature: Georgios ANTONOPOULOS
