

CURRICULUM VITAE FORM - Year 2022 -

Name and Surname: Athanasios Dagoumas
Position in the Agency: Member of the Board of Regulators

I. PROFESSIONAL EXPERIENCE

OCCUPATION / POSITION HELD	START DATE	END DATE	EMPLOYER	MAIN ACTIVITIES OR RESPONSIBILITIES
Associate Professor in “Energy and Resource Economics”, Dept. of European and Environmental Studies	08.2014	03.2022	University of Piraeus	Teaching: - Quantitive Methods - Decision Making Methods - IT Skills (Statistics) - IT Skills (Management Information Systems) - English for International Political Economy and Energy and Environment Issues - Policies of the EU - Environmental Energy, Economics and Diplomacy - World Distribution of Work Growth and Social Prosperity - EU competition and business law I started working as a lecturer in “Energy and Resource Economics”, Dept. of European and Environmental Studies, University of Piraeus, Greece in August 2014. Promoted to the rank of Assistant Professor in April 2016 and to Associate Professor in September 2021.
Director of the “Energy and Environmental Policy Laboratory”	10.2016	07.2020	University of Piraeus	Academic research
Special Advisor to the Minister of Energy & Climate Change	09.2013	08.2014	Ministry of Energy & Climate Change	Providing advice to the Minister of Energy regarding energy markets.

OCCUPATION / POSITION HELD	START DATE	END DATE	EMPLOYER	MAIN ACTIVITIES OR RESPONSIBILITIES
Senior Energy Analyst	02.2012	09.2013	Electricity Market Operator (LAGIE S.A.)	Conducting electricity studies and reports.
Senior Energy Analyst	07.2009	01.2012	Hellenic Transmission System Operator (HTSO S.A.)	Conducting analysis of the energy system.

II. EDUCATION

TITLE OF QUALIFICATION AWARDED	START DATE	END DATE	NAME AND TYPE OF ORGANIZATION	PRINCIPAL SUBJECTS COVERED
PhD, Department of Electrical and Computer Engineering	10.2002	07.2006	Aristotle University of Thessaloniki, Greece	PhD Thesis: "Influence of the Kyoto Protocol and of the Distributed Generation on Power System Planning" Supervisor: Professor Emeritus Petros Dokopoulos
Diploma in Electrical and Computer Engineering	10.1996	11.2001	Aristotle University of Thessaloniki, Greece	Electrical and Computer Engineering

III. TRAINING SEMINARS

TITLE	START DATE	END DATE	NAME AND TYPE OF ORGANIZATION	PRINCIPAL SUBJECTS COVERED
Please see complete CV	01.0001	01.0001	Various	Please see complete CV here: https://docs.google.com/document/d/1zwh97g4rXv5ezN

IV. PUBLICATIONS

TITLE	START DATE	END DATE	DESCRIPTION
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<p>Dagoumas A. (Editor), 2021, Mathematical Modeling of Contemporary Electricity Markets, Elsevier Academic Press, eBook ISBN: 9780128218396, Paperback ISBN: 9780128218389, https://doi.org/10.1016/C2019-0-04254-9</p>	<p>01.2021</p>	<p>Ongoing</p>	<p>Mathematical Modelling of Contemporary Electricity Markets reviews approaches and tools to accurately analyze and forecast contemporary electricity markets. This book is ideal for practitioner and academic audiences. Approaches include optimization, networks, genetic algorithms, co-optimization, econometrics, and machine learning models. The work examines how new challenges affect power markets and includes discussions of stochastic renewables, price volatility, dynamic pricing, integration of storage and electric vehicles, interdependence with other sectors, and the evolution of policy developments (market coupling products, balancing, and capacity). Coverage addresses all major forms of electricity markets: day-ahead, intraday, and balancing.</p>
<p>Perifanis T., Dagoumas A., 2021, Crude oil price determinants and multi-sectoral effects: A review, Energy Sources, Part B: Economics, Planning, and Policy, Vol. 16 (9), pp. 787-860</p>	<p>01.2021</p>	<p>Ongoing</p>	<p>In this article, we provide a structured review of crude oil price determinants. We summarize evidence on important factors determining oil prices and the impact of market shocks on the macro economy and the stock market, discuss the impact of financialization of crude oil markets on oil market functionality, and then outline approaches for forecasting crude oil prices and volatility. We present the results of the most influential early contributions and recent studies, discuss important developments and research gaps in each field. Thus, we provide academics and practitioners newly engaging in crude oil research with a comprehensive overview of what scientists know about crude oil dynamics and highlights which topics are most promising for future research.</p>
<p>Koltsaklis N.E., Dagoumas A.S., 2021, A power system scheduling model with carbon intensity and ramping capacity constraints, Operational Research, Vol. 21 (1), pp. 647-687</p>	<p>01.2021</p>	<p>Ongoing</p>	
<p>Koltsaklis N.E., Dagoumas A.S., 2021, A power system scheduling model with carbon intensity and ramping capacity constraints, Operational Research, Vol. 21 (1), pp. 647-687</p>	<p>01.2021</p>	<p>Ongoing</p>	<p>The integration of European electricity markets aims at market coupling between interconnected power systems and the evolution of environmental constraints. This process is anticipated to utilize more efficiently the flexible capacity of interconnections transmission capacity and provide environmental benefits to final consumers. This paper presents a mixed integer linear programming model for the optimal scheduling of a power system (unit commitment problem) in the electricity market. The model determines the optimal daily power generation and electricity trade with neighboring countries, the evolution of the carbon intensity and the resulting environmental impact. The model incorporates CO₂ emission constraints and introduces flexible ramping products, in addition to conventional units, aiming to identify their impacts on both operational and economic aspects. The model is applied on the Greek power system and its interconnections with neighboring power systems in Southeast Europe. The proposed approach can provide the optimal generation and interconnections portfolio that meets the operational needs of contemporary power systems with environmental constraints.</p>

Asuamah E.Y., Gyamfia S., Dagoumas A., 2021, Potential of meeting electricity needs of off-grid community with mini-grid solar systems, Scientific African, Vol. 11, e00675	01.2021	Ongoing	The abundance of renewable energy in Ghana can play an important role in the electrification program rolled out by the Government of Ghana. This study aims to assess for improved living standards. It has the following objectives of the energy sector which include; 10% renewable energy mix, minimize the adverse effects of energy production on the environment and improve the socio-economic development of the country, create jobs and create community-based employment, etc. In this study, Nkrumah et al. conducted a case study to evaluate the possibility of meeting their energy needs. To determine the energy demand of the community, a structured questionnaire was used to collect data. The HOMER software was used to perform the financial analysis of the solar resource available. The result shows that it is possible to meet the energy demand of the community from the solar resource available. The proposed system included PV/Battery/Converter with a Levelized Cost of Energy of \$0.124/kWh (using \$1 = GH¢4.98 rate), if the area is to be connected to the grid. The breakeven distance or Electric Distance Limit (EDL) between the mini-grid and grid extension in this analysis was found to be 1.11 km. The study shows that a mini-grid could have an immense benefit to the community both economically and socially such as improve the standard of living as well as meeting the renewable energy needs of Ghana.
For a complete CV with all my publications please take a look at the link below	01.0001	01.0001	https://docs.google.com/document/d/1zwh97g4rXv5ezNEr6ZjV0

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The Curriculum Vitae will also be published on the Agency's website. Please note that the Agency will ensure that your personal data hereby submitted is processed in line with Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data. For more details on the processing of your personal data, see the privacy statement applicable to your situation. If you include information on close family members, please inform them that the Agency will be processing data related to them.

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Please note that the Agency ensures that your personal data hereby submitted is processed in line with Regulation (EU) 2018/1725 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data (OJ L 295, 21.11.2018, p. 39). For more details on the processing of your personal data, see the privacy statement applicable to your situation, available at <https://acer.europa.eu/the-agency/about-acer/data-protection>.

I, Athanasios Dagoumas, hereby confirm, on my honor, that I am personally submitting this declaration

Submitted on: 21.03.2022

Signature: Athanasios Dagoumas
