

15th International Conference on Energy and Climate Change

12-14 October 2022
Athens, Greece



UNAI Hub for SDG 7



Dimitrios MAVRAKIS

Chairman of Scientific Committee

Prof., Director of the Energy Policy and Development Centre of the National and Kapodistrian University of Athens, Hellas



Professor Dimitrios Charilaou MAVRAKIS is the Director of the Energy Policy and Development Centre (KEPA) functioning under the legal framework of the National and Kapodistrian University of Athens (NKUA).

His main studies and activities are related to energy geopolitics, design of climate policy instruments, exploration of interactions between climate policy tools, development and assessment of mitigation /adaptation policy mixtures, developing optimum policy mixtures minimizing behavioural obstacles in implementing energy efficiency policies.

He is coordinator of the PROMITHEASnet, the Energy and Climate Policy Network, consisted of Academic Institutes from S.E. Europe, Black Sea and Central Asia, officially appointed by the 12-member states of the Black Sea Economic Cooperation Organization (BSEC) as coordinator of the Green Energy Network (GEN). BSEC -GEN functions under the supervision of Permanent International Secretariat (PERMIS) of BSEC facilitating green investments in the region.

He is chief editor of the “Energy View of the BSEC countries” and of the scientific “Euro-Asian Journal of Sustainable Energy Development Policy” both currently inactive. He is editor of the “PROMITHEAS newsletter”, worldwide disseminated to 170 countries and 28000 recipients. KEPA has also appointed as the global academic Hub for SDG7 of the United Nation Academic Impact Initiative (UNAI).

He is chairman of i) the annual Scientific Conference on “Energy and Climate Change”, ii) the annual “BSEC - Green Energy Investments Forum”, iii) the annual “International Tree Planting Initiative”.

His current activities focus on facilitating Greek Municipalities and those of BSEC in their efforts for the green transformation of their societies in the frame of the Sustainable Goal 7 (SDG7).

Popi KONIDARI

Scientific Secretariat

Dr., Head of the Climate Change Policy Group of the Energy Policy and Development Centre (KEPA) of the National and Kapodistrian University of Athens, Hellas



Head of the Climate Change Policy Group (CCPG) of KEPA; M.Sc in “environmental physics” and “electronic automatism”; PhD on multi-criteria assessment methods for climate change policy; co-developer of the AMS evaluation multi-criteria method and of the HERON-Decision Support Tool. Established experience in communication/dissemination practices worldwide.

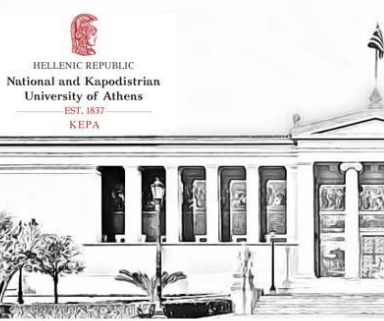
Aliki-Nefeli MAVRAKI

Scientific Secretariat

MSc., Researcher of the Energy Policy and Development Centre (KEPA) of the National and Kapodistrian University of Athens, Hellas



Member of Climate Change Policy Group (CCPG) of KEPA; M.Sc. in Energy Management; Certification of LEAP energy model. Assistant coordinator of the “BSEC-Green Energy Network”; Member of the organizing committee of the “BSEC-Green Energy Investments Forum”; responsible for planning & supporting policy dialogue activities. Established experience in “Policy dialogue” issues related to Climate Change; established experience in communication/ dissemination issues, internationally.



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Miroljub ADZIC

Member of Scientific Committee

Professor Emeritus of the University of Belgrade, Serbia



Professor M. Adzic received his Ph.D. from University of Belgrade Faculty of Mechanical Engineering and has been engaged in teaching, research and collaboration with industry since then. His research interests are in the areas of combustion, energy, environment, propulsion, fuels and fuel cells. He was visiting professor at Technical University IST Lisbon Portugal, Technical Faculty Friedrich–Alexander University Erlangen-Nuremberg Germany and UBI University Portugal. His main professional distinctions include: Professor Emeritus of University of Belgrade; Full member - Serbian Academy of Engineering Sciences; Member of the European States Representative Group of Fuel Cells and Hydrogen Joint Undertaking - FCH JU; Member, Governing Board of the Institute of Technical Sciences, Serbian Academy of Sciences and Arts.

Rauf ALIYAROV

Member of Scientific Committee

Prof., Azerbaijan State Oil and Industrial University, Azerbaijan



He is the Director of the "Geotechnological Problems of Oil, Gas and Chemistry" - Azerbaijan State Oil and Industrial University since 2021. For the period 2015- 2021 he was the Vice-rector on the scientific and technical works of the Azerbaijan State Oil and Industrial University. For the period 2003 – 2015 he was the Executive Director of the State Oil Company of the Republic of Azerbaijan (Shah Deniz) Limited Company, SOCAR.

Mihail KIORSAK

Member of Scientific Committee

Prof., Head of Electrical Engineering Department of the Technical University of Moldova, Moldova



Main scientific researcher (Institute of Power Engineering of Moldavian Academy of Sciences), Head of Electrical Engineering Department, Technical University of Moldova. He has worked on Moldova Power Market Development, elaboration of development programs for Energy Sector and Energy Efficiency, energy pricing policies and their impact on national economy and environment, electrical power systems and power network. Author and co-author of 100 scientific publications (articles, papers, monographs). His research areas include Energy Policies, Power Market and Power System Planning, Operating and Development, High Voltage transmission Lines and Systems, Energy efficiency.



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Edoardo CROCI

Member of Scientific Committee

Prof. , Bocconi University, Italy



Member of the Managing Committee and Senior Research Fellow at GREEN (Centre for Geography, Resources, Environment, Energy and Networks) at Bocconi University, where he coordinates the "Green Economy Observatory" and the "Smart City Observatory" and teaches "Carbon Markets and Carbon Management". Member of the Management Committee of the COST Action "Inogov - Innovations in Climate Governance: Sources, Patterns and Effects" and Supplement Member of the Management Committee of COST Action "Implementing Nature-Based Solutions for Creating a Resourceful Circular City". He is member of the Thematic Group on Goal 11 (Cities) of UN - SDSN. His main research area is related to sustainable policy at the urban level (environment, energy, mobility, climate). He has served as Milan City Councilor for Mobility, Transport and Environment, Administrator of the Agency for the Protection of the Environment of Lombardy Region, Vice President of FEDARENE (European Federation of Regional Energy and Environment Agency), and Vice President of Italian Agenda 21 Coordination association.

Athanasios DAGOUMAS

Member of Scientific Committee

Prof. , University of Piraeus, Hellas



Assistant Professor in Energy and Resource Economics and Director of the Energy and Environmental Policy laboratory at the University of Piraeus. He holds a Diploma in Electrical and Computer Engineering from the Aristotle University in Thessaloniki, where he elaborated his PhD in Energy Economics. He is Member of the Board of the Cambridge Trust for New Thinking in Economics. He has more than 15 years of work and research experience in energy related issues, including working as a Senior Researcher at the University of Cambridge and as a Senior Energy Analyst at the Transmission System Operator and at the Electricity Market Operator in Greece. His extensive experience builds his capacity for an in-depth understanding of multidisciplinary aspects of the energy sector: economic, engineering, environmental and policy. He is keen on developing models for the energy system, the economic-energy-environment (E3) systems and the real energy markets.

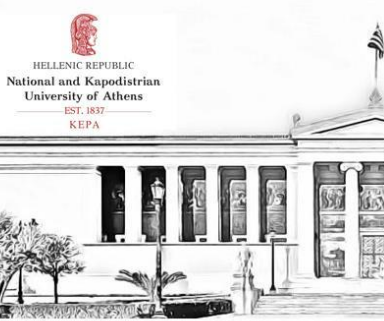
Kyriacos GEORGHIOU

Member of Scientific Committee

Professor Emeritus, Dr., of the National and Kapodistrian University of Athens, Hellas



Professor Emeritus of Plant Physiology in the Department of Botany (Faculty of Biology) of the National & Kapodistrian University of Athens, Head of the Department of Botany (2013-15), Deputy Chairman (2009-15) and Chairman (2015-2017) of the Faculty of Biology. Main research interests include Photomorphogenesis, Plant Ecophysiology, Seed Biology and Conservation Biology. He has published more than 50 original articles in international scientific journals & books, has participated in more than 50 national & international scientific Conferences and he is one of the co-editors of the "Red Data Book of Plants of Cyprus". He has coordinated and participated in more than 30 research projects, with the more recent ones focusing on the organization, monitoring and management of the NATURA 2000 network in Greece and Cyprus.



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Rajat GUPTA

Member of Scientific Committee

Prof., Director of OISD and LCBRG of the Oxford Brookes University, United Kingdom



Prof Rajat Gupta is Director of the multi-disciplinary Oxford Institute for Sustainable Development (OISD) and Low Carbon Building Research Group at Oxford Brookes University (UK), where he also holds professorial chair in sustainable architecture and climate change. He developed the RIBA award-winning DECoRuM model for carbon mapping communities. In 2013 Rajat was voted as one of 13 international building science stars. Rajat's research interests lie in evaluating building performance from a socio-technical perspective, carbon mapping buildings and neighbourhoods, scaling up energy retrofits and climate change adaptation. As Principal Investigator, he has won over €11 million in research grants from Research Councils UK (RCUK), Innovate UK, EU, UNEP and Industry to investigate these subjects. Until recently Rajat was PI on a 4-year €1.5 million RCUK-funded EVALOC project on evaluating the impacts of low carbon communities on energy behaviours. The EVALOC project was profiled as an exemplar in the 2014 National Community Energy Strategy. Rajat has also been lead academic on several Innovate UK funded projects under the Retrofit for the Future and Building Performance Evaluation competitions. He was also PI on an RCUK funded SNACC project on suburban adaptation for a changing climate. Internationally Rajat has been instrumental in developing the World's first Global Common Carbon Metric (CCM) for UNEP, reviewing methodologies for measuring building energy savings for UNFCCC and conducting research on sustainable social housing for UN-Habitat. Currently Rajat is lead academic on Innovate UK/RCUK funded projects on *developing a feedback management system for housing providers (HAPI)*, guaranteeing energy performance in new homes (I-LIFE) and establishing the link *between indoor environment conditions and occupant productivity (WLP+)*. He is also presently Co-Investigator on two EU Horizon 2020 projects – *HERON* project on 'socio-economic research on energy efficiency' and *Zero Plus* project on positive energy settlements. Rajat is also leading United Nations (UN) funded research project on *mainstreaming sustainable social housing in India (MaS-SHIP)* and has recently-won (with CEPT University, India) RAEng/Newton Fund award on *building performance evaluation for improved design and engineering (Learn-BPE)*. Rajat has published widely, including strategic journal papers on future direction of energy demand research and evaluation of an innovative retrofit programme.

George HALKOS

Member of Scientific Committee

Professor of the University of Thessaly, Greece



Professor in Economics of Natural Resources in the Department of Economics at the University of Thessaly. He is the Director of the Laboratory of Operations Research. His research interests are in the fields of Environmental Economics, Applied Statistics and Econometrics, Simulations of Economic Modelling, Applied Micro-economics, Air Pollution, Game Theory, Mathematical Models.

Dejan IVEZIC

Member of Scientific Committee

Professor of the University of Belgrade, Serbia



Professor at the University of Belgrade – Faculty of Mining and Geology and Manager of Centre for Energy. where His teaching and research interests include energy modeling and control of energy processes, sustainable development, energy efficiency and renewable energy sources utilization and conservation of natural resources. He also, directed and cooperated in projects related to exploitation and maintenance of energy facilities, machines and equipment.



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Nikola KALOYANOV

Member of Scientific Committee

Prof., Dr. of the Technical University of Sofia, Bulgaria



Professor at the Technical University – Sofia, Head of Department Thermal engineering. Chairman of the Bulgarian Society of Heating, Ventilation and Air-Conditioning Engineers, Chairman of the Bulgarian Association for Energy Analyses in Buildings and Industry. Twenty-eight years of experience in analysis and synthesis of thermal systems and energy efficiency improvement. This includes buildings, heating, ventilating and air-conditioning systems, district heating systems, industrial systems, and renewable energy sources utilisation. Projects involved building energy modelling and simulation, energy auditing, building energy performance evaluation, optimisation studies, demand analysis. Team leader of working groups for EU harmonization policy and implementation of EPB and energy end-use efficiency and energy services directives, regulations, standards, methods and tools in building sector, research & development, education, training, demonstration projects, monitoring and reporting.

Yannis KABOURIS

Member of Scientific Committee

Director for Foreign Affairs in IPTO, Hellas



He holds a Diploma on Electrical Engineering (1985) and a PhD (1992), both from the National Technical University of Athens. From 1991 until 2001 he was working in the Public Power Corporation (PPC) - System Studies Department. He joined the Hellenic Transmission System Operator (HTSO) on 2001 and the Independent Power Transmission Operator of Greece (IPTO) on 2011. He was an associate professor at the University of West Attica (2002 to 2011). He has served in various positions in the electricity sector: Head of Development Studies Section HTSO S.A. (2001-2005); Assistant Director for System Planning Department HTSO S.A. (2005 – 2006); Director for System Planning Department HTSO S.A. (2006 – 2012); Director at the CEO office IPTO S.A. (2012 – 2015); Director of the Transmission System Planning Dept. IPTO S.A. (2015 – 2017); Chief Executive Officer (CEO) IPTO S.A. (Feb 2017 – June 2017); Member of BoD of IPTO S.A. (2017 – 2020); Chief Officer for Operation, Infrastructures and Market IPTO S.A (2017 – 2020); Member of BoD of HEnEX S.A. (2018).

He participated in several entso-e bodies and activities (2000 to present): Member of System Development Committee, System Operations Committee, Research, Development and Innovation Committee (SDC, SOC & RDIC); Convenor of (RG-SEE); Member of Grid Codes Working Groups; Member of Ten Year Network Development Planning Group; Investigation of 4th November 2006 event (head of study team for SEE). Currently, he is Director for Foreign Affairs in IPTO, BoD Chairman and CEO of SELENE CC and Vice President of MED-TSO.

His main fields of expertise include Power System studies and Analysis (static and dynamic), Generation and Transmission Planning, Integration of renewables into power systems, Development of Interconnectors, Generation adequacy, Market development and operation, Energy Management systems and Control Centers, National and International Electricity Market Regulation and Research & Development strategies.

He has published more than 150 papers on the above-mentioned topics. He has also participated in more than 40 international research projects.

He is the Chairman of the CIGRE National committee of Greece. He is a member of CIGRE and IEEE. He gained the SWAN PREMIUM AWARD (2002). He also received the “PROMITHEUS” award by the IENE (2021).



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Constantinos G. KARAGIANNOPOULOS

Member of Scientific Committee

Professor of the National Technical University of Athens, Hellas



Professor in the School of Electrical and Computer Engineering of the National Technical University of Athens – Industrial Electric Devices and Decision Systems Division. His research activities and technical experience involve Electric Measurements and High Field Effects, High Voltage Engineering, Electrical Insulating Materials and Apparatus. In addition, his working experience includes posts in the industry and in a great number of projects in the field of Electromechanical Installations. Currently, besides his academic undertakings, he has been Chairman and CEO of ETHEL, Thermal Buses S.A. and later Chairman and CEO of OSY Road Transport S.A.

Andonaq LAMANI LONDO

Member of Scientific Committee

Professor of the Polytechnic University of Tirana, Albania



Full professor at the Energy Department since 1980. He teaches Energy Efficiency; Fluid Mechanics, Fluid Machinery; Internal Combustion Engines, Fluid Power. He is currently the Executive Director of the SEEIESD (South East Europe Institute for Energy and Sustainable Development). Starting from August 2019 he is the National Contact Point for HORIZON 2020 “Secure, clean and efficient energy”. His main research interests are in the field of Energy and Climate Change etc. He was the leader of projects funded by the European Union (FP7; TEMPUS) in the field of renewable energies and energy efficiency as well as in projects funded by the Albanian government (Program for Water and Energy 2007 - 2017). Information at: <http://www.seeiesd.org/>.

Haji MALIKOV

Member of Scientific Committee

Assistant Professor of the Azerbaijan State Oil and Industrial University, Azerbaijan



Assistant Professor of the Department “Reservoir Petroleum Engineering” of the Azerbaijan State Oil and Industrial University, Deputy Director of the Scientific-Research Institute “Geotechnological Problems of Oil, Gas and Chemistry”. He has more than 50 papers and patent. Main research interests include dynamics of liquids and gases, simulation of liquid flow in porous medium, nanotechnology, application CO₂ for clearing of the oil polluted soils, enhanced oil recovery, and etc.

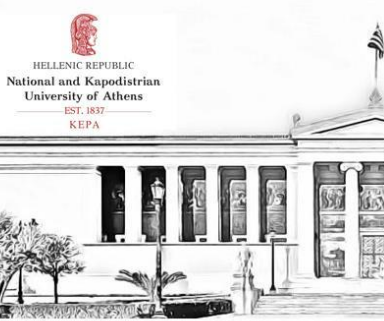
Ken'ichi MATSUMOTO

Member of Scientific Committee

Associate Professor of the Nagasaki University, Japan



Ken'ichi Matsumoto is an Associate Professor at the Graduate School of Fisheries and Environmental Sciences, Nagasaki University, Japan. Before coming to Nagasaki, he worked at the School of Environmental Science of the University of Shiga Prefecture as an Assistant Professor and at the National Institute for Environmental Studies as a Post-doctoral Fellow, particularly for developing new scenarios for the Fifth IPCC Assessment Report. Also, he was a JSPS Research Fellow. He specializes in environmental/energy economics and policy. Particularly, he has worked on climate change and energy policy analyses using computable general equilibrium models. He has publications from related international journals including Renewable and Sustainable Energy Reviews, Energy Policy, and Climatic Change. He also published a book (with Anton Ming-Zhi Gao) titled “Economic Instruments to Combat Climate Change in Asian Countries” in May, 2015. He received his Ph.D. in Policy Studies from Kwansai Gakuin University, Japan, in 2007. His details are in <https://www.matsumoto-lab.net/en>.



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Nikitas NIKITAKOS

Member of Scientific Committee

Professor of the University of Aegean, Hellas



Professor of Shipping Informatics and Communications. He was Head of the Dept. of Shipping Trade and Transport in the University of the Aegean (2005-2009). He has participated mainly as coordinator/principal researcher in several European and regional related research projects. He holds 3 international patents on environment and renewable energies at sea and he was awarded from Lloyd's List on Maritime Technological Innovation in 2006 and from EU-DG Region for his work on isolated islands. He has published 7 books and many articles in international referred journals and conferences. He is visiting Professor at Shanghai Maritime University, Hangzhou Dianzi University - China and WMU - Sweden. He holds PMP, PMI-RPM, Prince2 and SCRUM certifications.

Agis PAPADOPOULOS

Member of Scientific Committee

Professor of the Aristotle University of Thessaloniki, Hellas



Professor for Energy Systems, Economics and Policies at the Department of Mechanical Engineering of the AUT. His areas of scientific work include energy conservation and rational use of energy in buildings, emphasising on energy design of buildings, thermal insulation and HVAC, energy resources management and energy economics, emphasising on the feasibility of energy investments and the development of incentives for the implementation of energy policies.

Katherine M. PAPPAS

Member of Scientific Committee

Assistant Professor of the National and Kapodistrian University of Athens, Hellas



Katherine M. Pappas received her B.Sc. degree in Biology and Ph.D. in Genetics from the University of Athens, Greece, and conducted her postdoctoral studies at Cornell University, USA. She is currently an Assistant Professor in Molecular Microbial Genetics at the University of Athens, where she teaches at the under- and postgraduate level. Since 2004, she has served as an administrative member in UoA, consultant for the Food Safety Authority – Greek Ministry of Health, research and institutional evaluator for the Greek Ministry of Development and the EU, International Mentor and Country Ambassador for the American Society of Microbiology, and Secretary for the Panhellenic Scientific Society 'Mikrobiokosmos'. She is a member of many Scientific Societies and Associations, has contributed to national and international congress organizations, and is an ad hoc or permanent reviewer for high-impact factor journals. Her research in the genetics and biotechnology of microbes in Bioenergy has been funded by EU-sponsored and national programs, and has been merited by collaborations with several US Department of Energy federal laboratories – the Joint Genome Institute, the Great Lakes Bioenergy Research Centre, the National Renewable Energy Laboratory and the Oak Ridge National Laboratory.



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Anca POPESCU

Member of Scientific Committee

Scientific adviser at the Institute for Studies and Power Engineering (ISPE), Design and Consulting, Romania



Dr. A. Popescu is scientific adviser coordinating the Research & Innovation activity of ISPE, Design and Consulting and associate professor at the Power Engineering Faculty at the University Politehnica of Bucharest. She is member of Study Committee C1 System Development and Economics of the Council on Large Electric Systems (CIGRE), member of the Romanian National Committee of World Energy Council (WEC) and member of the Romanian National Committee of International Electrotechnical Commission. Dr. Popescu is also the Romanian contact point on Energy Scenarios for the European Environment Information and Observation Network (Eionet) of the European Environment Agency (EEA). Her areas of scientific work include power system analysis, least cost power and heat generation capacity, power market survey and tariff studies, evaluation of GHG emission reduction options, elaboration of national energy strategy, forecast of electricity and heat demand, electricity interconnections.

Tom SKAUGE

Member of Scientific Committee

Associate Professor of the Western Norway University of Applied Sciences, Norway



He is an Associate Professor in Organization Theory, and Responsible Management at Department of Business Administration at Western Norway University of Applied Sciences (HVL). Currently, he is Head of Department and Board Member at HVL. He is leader of the standing committee of Business Ethics and CSR in National Council for Economic Administrative Education (2017- [http://www.uhr.no/rad_og_utvalg/nasjonale_rad/nroa]. He worked as lecturer at Department of Administration and Organization Theory, University of Bergen (1992-1998), Programme co-ordinator, 'The Norad Fellowship Programme', The Norwegian Centre for International Cooperation in Higher Education (SIU) (1998-2000). Head of Section, Norwegian Centre for International Cooperation in Higher Education (SIU). Responsible leader for 'The Norwegian Programme for Development, Research and Higher Education' (NUFU), 'Cooperation Programme with South-Eastern Europe', 'The Norad Fellowship Programme' and 'The Programme in Arts and Cultural Education' (2001-2005). 2013 Leader Norwegian National Network on Professional Ethics [http://www.profesjonsetikk.no/]. Scientific Director, Comparative Research Programme on Poverty (CROP) (2006 - 2008) [www.crop.org], Vice Rector, Bergen University College (2006 - 2007) [www.hib.no]. Member of the SANORD Council (2007-2009) [http://sanord.uwc.ac.za/Pages/default.aspx]. His research has been on Higher Education, Profession and Professionalization, Management, Institutionalization and Green shift. He has also a political career as member of Bergen Municipality Parliament (1995-2003) and Hordaland County Parliament (2011-2015).

Milton A. TYPAS

Member of Scientific Committee

Professor of the National and Kapodistrian University of Athens, Hellas



Professor of Genetics, Microbial Molecular Genetics and Biotechnology, Head of the Department of Genetics and Biotechnology, Faculty of Biology. Main research interests include genomics of microorganisms, genetic fingerprinting, genetic modifications, novel value added substances production, study and exploitation of genes involved in host-parasite relationships, degradation of cellulosic and lignin-cellulosic plant wastes, study and genetic improvement of ethanol producing microorganisms, bio-ethanol production.