

Annex 2 – Curriculum vitae

<p>Name</p>	<p>Dr. Andreas Poullikkas <i>PhD, DTech, FIET</i></p>
<p>Position / Involvement in the Board or Agency</p>	<p>Chairman, Cyprus Energy Regulatory Authority</p>
<p>Professional experience</p>	<p>Current:</p> <ul style="list-style-type: none"> • Chairman of Cyprus Energy Regulatory Authority • Chairman of Cyprus Energy Strategy Council • Associate Editor of the <i>Journal of Power Technologies</i> <p>Previous:</p> <ul style="list-style-type: none"> • Department Chair and Professor of Power Systems, Department of Electrical Engineering, Computer Engineering and Informatics, Cyprus University of Technology • Member of the Board of Directors, Natural Gas Public Company (DEFA), Cyprus • Associate Professor, Department of Mechanical Engineering, American University of Sharjah, UAE • Assistant Manager of Research and Development, Electricity Authority of Cyprus • Visiting Faculty, Department of Electrical Engineering, University of Cyprus • Visiting Faculty, Harvard School of Public Health, Harvard University, USA
<p>Education</p>	<ul style="list-style-type: none"> • Doctor of Technology (D.Tech) in Mechanical Engineering • Doctor of Philosophy (Ph.D) in Mechanical Engineering • Master of Philosophy (M.Phil) in Mechanical Engineering • Bachelor of Engineering (B.Eng Hons) in Mechanical Engineering • Fellow of the Institution of Engineering and Technology (FIET)
<p>Training/seminars</p>	<p>Indicative statistics</p> <ul style="list-style-type: none"> • Delivered 64 invited lectures • Participation in the organisation of 31 Conferences

	<ul style="list-style-type: none"> • Chairperson of 9 Conferences • Member of 6 Journal Editorial Boards • Proceedings Editor of 8 Conferences • Organization of large number of seminars and training programs
<p>Publications</p>	<p>Books</p> <ul style="list-style-type: none"> • Poullikkas A., Fundamentals of Energy Regulation, Easy Conferences Ltd., Nicosia, ISBN: 978-9963-7355-8-7 (2016). • Poullikkas A., Sustainable Energy Policymaking for Cyprus, Easy Conferences Ltd., Nicosia, ISBN: 978-9963-7355-6-3 (2015). • Poullikkas A., Energy Union and Strategy for Cyprus, Easy Conferences Ltd., Nicosia, ISBN: 978-9963-7355-7-0 (in Greek) (2015). • Poullikkas A., Renewable Energy: Economics, Emerging Technologies and Global Practices, NOVA Science Publishers, Inc., New York, Hardcover ISBN: 978-1-62618-231-8, Ebook ISBN: 978-1-62618-264-6 (2013). • Poullikkas A., Sustainable Energy Development for Cyprus, Easy Conferences Ltd. Nicosia, ISBN: 978-9963-7355-3-2 (in Greek) (2013). • Poullikkas A., Introduction to Power Generation Technologies, NOVA Science Publishers, Inc., New York, Hardcover ISBN: 978-1-60876-472-3, Ebook ISBN: 978-1-61728-525-7 (2009). • Poullikkas A., The Cyprus Energy Future, Theopress Ltd. Nicosia, ISBN: 978-9963-9599-4-5 (in Greek) (2009). <p>Book chapters</p> <ul style="list-style-type: none"> • Poullikkas A., “The cost of large scale integration of sustainable power generation technologies in United Arab Emirates”, Recent Advances in Environmental and Earth Sciences and Economics, ISBN: 978-1-61804-324-5, 202-207 (2015). • Poullikkas A., “Modelling of advanced promotion mechanisms for solar technologies – Net-metering and capacity auctioning schemes”, Chapter 6 in Solar Power: Technologies, Environmental Impacts and Future Prospects, NOVA Science Publishers, Inc., New York, ISBN: 978-1-63321-318-0 (2014). • Fokaides P., Poullikkas A., Christofides C., “Lost in the National Labyrinths of Bureaucracy: The Case of Renewable Energy Governance in Cyprus”, Chapter 10 in Lecture Notes in Energy, Volume 57, Renewable Energy Governance, Springer-Verlag, London, ISBN: 978-1-4471-5594-2, Ebook ISBN: 978-1-4471-5594-9 (2013). • Poullikkas A., “Development of energy strategies and policies”, Chapter 21 in Denmark-Cyprus, En Tipis, Nicosia, ISBN 978-9963-691-71-5 (2011). • Poullikkas A., “Optimization procedures for the selection of

	<p>reverse osmosis desalination plants”, Chapter 16 in Desalination Research Progress, NOVA Science Publishers, Inc., New York, ISBN: 978-1-60456-567-6, 449-478 (2008).</p> <ul style="list-style-type: none"> • Poullikkas A., “Performance of nuclear reactor cooling pumps under two phase liquid-gas flow conditions”, Chapter 6 in Nuclear Energy Research Progress, NOVA Science Publishers, Inc., New York, ISBN: 978-1-60456-365-8, 175-194 (2008). <p>Refereed journal papers (indicative list)</p> <ul style="list-style-type: none"> • Saghafifar M., Poullikkas A., “Comparative analysis of power augmentation in air bottoming cycles”, International Journal of Sustainable Energy, 36, 47-60 (2017). • Nicolaidis P., Poullikkas A., “A comparative overview of hydrogen production processes”, Renewable and Sustainable Energy Reviews, 67, 597-611 (2017). • Poullikkas A., “Modelling of auctioning mechanism for solar photovoltaic capacity”, International Journal of Sustainable Energy, 35, 875-886 (2016). • Saghafifar M., Poullikkas A., “Thermo-economic optimization of air bottoming cycles”, Journal of Power Technologies, 95, 211-220 (2015). • Al-Tajer Y., Poullikkas A., “Parametric analysis for the implementation of wind power in United Arab Emirates”, Renewable and Sustainable Energy Reviews, 52, 635-644 (2015). • Poullikkas A., “Review of design, operating and financial considerations in flue gas desulphurization systems”, Energy Technology & Policy, 2, 92-103 (2015). • Poullikkas A., “Quantifying energy not serve in power capacity expansion planning”, Journal of Power Technologies, 95, 25-33 (2015). • Poullikkas A., Zueter A.F., Dirar M.H., “Prospective scenarios for the adoption of sustainable power generation technologies in United Arab Emirates”, International Journal of Sustainable Energy, 34, 23-37 (2015). • Poullikkas A., “Sustainable options for electric vehicle technologies”, Renewable and Sustainable Energy Reviews, 41, 1277–1287 (2015). • Poullikkas A., “Technology prospects of wave power systems”, Electronic Journal of Energy and Environment, 2, 47-69 (2014). • Poullikkas A., Papadouris S., Kourtis G., Hadjipaschalis I., “Storage solutions for power quality problems in Cyprus’ electricity distribution network”, AIMS Energy, 2, 1-17 (2014). • Poullikkas A., Gadalla M., “Assessment of solar electricity production in United Arab Emirates”, International Journal of Sustainable Energy, 32, 631–642 (2013). • Poullikkas A., Kourtis G., Hadjipaschalis I., “Cost-benefit
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	<p>analysis for the installation of cogeneration CSP technology in Cyprus”, AIMS Energy, 1, 48-62 (2013).</p> <ul style="list-style-type: none"> • Poullikkas A., Kourtis G., Hadjipaschalis I., “A review of net metering mechanism for electricity renewable energy sources”, International Journal of Energy and Environment, 4, 975-1002 (2013). • Poullikkas A., Grimes R., Walsh E., Hadjipaschalis I., Kourtis G., “Optimal sizing of modular air-cooled condensers for CSP plants”, Journal of Power Technologies, 93, 178-184 (2013). • Poullikkas A., “An overview of future sustainable nuclear power reactors”, International Journal of Energy and Environment, 4, 743-776 (2013). • Poullikkas A., “A comparative overview of large-scale battery systems for electricity storage”, Renewable and Sustainable Energy Reviews, 27, 778-788 (2013). • Poullikkas A., Hadjipaschalis I., Kourtis G., “A comparative overview of wet and dry cooling systems for Rankine cycle based CSP plants”, Trends in Heat & Mass Transfer, 13, 27-50 (2013). • Poullikkas A., Hadjipaschalis I., Kourtis G., “Comparative assessment of an innovative drycooled”, Conference Papers in Energy, Article ID 849407 (2013). • Poullikkas A., Kourtis G., Hadjipaschalis I., “Up-scaling of an innovative cogeneration CSP”, Conference Papers in Energy, Article ID 496145 (2013). • Varnavas C., Poullikkas A., “A measure of capacity contribution of static mono-si photovoltaic systems”, Conference Papers in Energy, Article ID 526320 (2013). • Poullikkas A., “Optimization analysis for pumped energy storage systems in small isolated power systems”, Journal of Power Technologies, 93, 78-89 (2013). • Poullikkas A., “A comparative assessment of net metering and feed-in tariff schemes for residential PV systems”, Sustainable Energy Technologies and Assessments, 3, 1-8 (2013). • Poullikkas A., Hadjipaschalis I., Kourtis G., “Parametric assessment of concentrated photovoltaic parks for the Mediterranean region”, International Journal of Sustainable Energy, 32, 42–52 (2013). • Zachariadis T., Poullikkas A., “The costs of power outages: A case study for Cyprus”, Energy Policy, 51, 630–641 (2012). • Poullikkas A., “Heat rate curve approximation for power plants without data measuring devices”, International Journal of Energy and Environment, 5, 651-658 (2012). • Poullikkas A., Kourtis G., Hadjipaschalis I., “An overview of the EU Member States support schemes for the promotion of renewable energy sources”, International Journal of Energy and Environment, 4, 553-566 (2012). • Poullikkas A., Rouvas C., Hadjipaschalis I., Kourtis G., “Optimum sizing of steam turbines for concentrated solar power plants”, International Journal of Energy and
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	<p>Environment, 3, 9-18 (2012).</p> <ul style="list-style-type: none"> • Tsikalakis A., Tomtsi T., Hatziargyriou N.D., Poullikkas A., Malamatenios Ch., Giakoumelos E., Cherkaoui J.O., Chenak A., Fayek A., Matar T., Yasin A., “Review of best practices of solar electricity resources applications in selected Middle East and North Africa (MENA) countries”, Renewable and Sustainable Energy Reviews, 15, 2838-2849 (2011). • Poullikkas A., Kourtis G., Hadjipaschalis I., “A hybrid model for the optimum integration of renewable technologies in power generation systems”, Energy Policy, 39, 926-935 (2011). • Kourtis G., Hadjipaschalis I., Poullikkas A., “An overview of load demand and price forecasting methodologies”, International Journal of Energy and Environment, 2, 123–150 (2011). • Poullikkas A., Kourtis G., Hadjipaschalis I., “Parametric analysis for the installation of solar dish technologies in Mediterranean regions”, Renewable and Sustainable Energy Reviews, 14, 2772-2783 (2010). • Poullikkas A., “An optimization model for the production of desalinated water using photovoltaic systems”, Desalination, 258, 100-105 (2010). • Poullikkas A., “Technology and market future prospects of photovoltaic systems”, International Journal of Energy and Environment, 1, 617-634 (2010). • Poullikkas A., Hadjipaschalis I., Kourtis G., “The cost of integration of parabolic trough CSP plants in isolated Mediterranean power systems”, Renewable and Sustainable Energy Reviews, 14, 1469–1476 (2010). • Hadjipaschalis I., Kourtis G., Poullikkas A., “Assessment of oxyfuel power generation technologies”, Renewable and Sustainable Energy Reviews, 13, 2637-2644 (2009). • Poullikkas A., “Economic analysis of power generation from parabolic trough solar thermal plants for the Mediterranean region – A case study for the island of Cyprus”, Renewable and Sustainable Energy Reviews, 13, 2474-2484 (2009). • Poullikkas A., “Parametric cost-benefit analysis for the installation of photovoltaic parks in the island of Cyprus”, Energy Policy, 37, 3673-3680 (2009). • Hadjipaschalis I., Poullikkas A., Efthimiou V., “Overview of current and future energy storage technologies for electric power applications”, Renewable and Sustainable Energy Reviews, 13, 1513-1522 (2009). • Poullikkas A., “A decouple optimization method for power technology selection in competitive markets”, Energy Sources, Part B, 4, 199-211 (2009). • Poullikkas A., Hadjipaschalis I., Christou C., “The cost of integration of zero emission power plants – A case study for the island of Cyprus”, Energy Policy, 37, 669-679 (2009). • Christou C., Hadjipaschalis I., Poullikkas A., “Assessment of Integrated Gasification Combined Cycle technology competitiveness”, Renewable and Sustainable Energy
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	<p>Reviews, 12, 2452-2464 (2008).</p> <ul style="list-style-type: none"> • Hadjipaschalis I., Christou C., Poullikkas A., "Assessment of future sustainable power technologies with carbon capture and storage", International Journal of Emerging Electric Power Systems, 9/1, Art. 5 (2008). • Poullikkas A., "Implementation of distributed generation technologies in isolated power systems", Renewable and Sustainable Energy Reviews, 11, 30-56 (2007). • Poullikkas A., "Implementation of MAST gas turbine technologies for large scale power generation", Energy Sources, Part A, 28, 1433-1446 (2006). • Poullikkas A., Karageorghis A., Georgiou G., "The method of fundamental solutions for three-dimensional elastostatics", Parallel Processing and Applied Mathematics, 2328, 747-755 (2006). • Karageorghis A., Poullikkas A., Berger J.R., "Stress intensity factor computation using the method of fundamental solutions", Computational Mechanics, 37, 445-454 (2006). • Poullikkas A., "Operating cost and water economy of mixed air steam turbines", Applied Thermal Engineering, 25, 1949-1960 (2005). • Poullikkas A., "An overview of current and future sustainable gas turbine technologies", Renewable and Sustainable Energy Reviews, 9, 409-443 (2005). • Poullikkas A., "Technical and economic analysis for the integration of small reverse osmosis desalination plants into MAST gas turbine cycles for power generation", Desalination, 172, 145-150 (2005). • Poullikkas A., Kellas A., "The use of sustainable combined cycle technologies in Cyprus: A case study for the use of LOTHECO cycle", Renewable and Sustainable Energy Reviews, 8, 521-544 (2004). • Poullikkas A., "Parametric study for the penetration of combined cycle technologies into Cyprus power system", Applied Thermal Engineering, 24, 1675-1685 (2004). • Poullikkas A., "Cost-benefit analysis for the use of additives in heavy fuel oil fired boilers", Energy Conversion and Management, 45, 1725-1734 (2004). • Poullikkas A., "Effects of two-phase liquid-gas flow on the performance of nuclear reactor cooling pumps", Progress in Nuclear Energy, 42, 3-10 (2003). • Poullikkas A., Karageorghis A., Georgiou G., "The method of fundamental solutions for three-dimensional elastostatics problems", Computers and Structures, 80, 365-370 (2002). • Poullikkas A., "A technology selection algorithm for independent power producers", The Electricity Journal, 14/6, 80-84 (2001). • Poullikkas A., Karageorghis A., Georgiou G., "The numerical solution of three dimensional Signorini problems with the method of fundamental solutions", Engineering Analysis with
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	<p>Boundary Elements, 25/3, 221-227 (2001).</p> <ul style="list-style-type: none"> • Poulikkas A., "Optimization algorithm for reverse osmosis desalination economics", Desalination, 133, 75-81 (2001). • Poulikkas A., "Two phase flow performance of nuclear reactor cooling pumps", Progress in Nuclear Energy, 36, 123-130 (2000). • Poulikkas A., "Compressibility and condensation effects when pumping gas-liquid mixtures", Fluid Dynamics Research, 25, 57-62 (1999). • Poulikkas A., Karageorghis A., Georgiou G., "The numerical solution of three dimensional Signorini problems", International Series on Advances in Boundary Elements, 6, 729-738 (1999). • Poulikkas A., Karageorghis A., Georgiou G., Ascough J., "The method of fundamental solutions for Stokes flows with a free surface", Numerical Methods for Partial Differential Equations, 14, 667-678 (1998). • Poulikkas A., Karageorghis A., Georgiou G., "The method of fundamental solutions for inhomogeneous elliptic problems", Computational Mechanics, 22, 100-107 (1998). • Poulikkas A., Karageorghis A., Georgiou G., "Methods of fundamental solutions for harmonic and biharmonic boundary value problems", Computational Mechanics, 21, 416-423 (1998). • Poulikkas A., Karageorghis A., Georgiou G., "The method of fundamental solutions for Signorini problems", IMA Journal of Numerical Analysis, 18, 273-285 (1998). • Georgiou G.C., Boudouvis A., Poulikkas A., "Comparison of two methods for the computation of singular solutions in elliptic problems", Journal of Computational and Applied Mathematics, 79, 277-287 (1997). • Poulikkas A., "Surface roughness effects on induced flow and frictional resistance of enclosed rotating discs", ASME Journal of Fluids Engineering, 117, 526-528 (1995).
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¹ OJ L8, 12.01.2001, p.1.

² http://www.acer.europa.eu/The_agency/Pages/Data-Protection.aspx