

Europass Curriculum Vitae



Personal information

First name / Surname **CHRISTOS VLACHOKOSTAS**
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Nationality Hellenic
Date of birth 19/02/1976

Professional Experience

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|--------------------------------------|--|
| Occupation or position held | Position held at the Mechanical Engineering Department of School of Engineering at Aristotle University of Thessaloniki (employ on unlimited term contract – Presidential Decree 164/2004). |
| Main activities and responsibilities | Scientific Researcher, permanent staff member of the Laboratory of Heat Transfer and Environmental Engineering, which belongs to the Energy Sector of the Mechanical Engineering Department, Aristotle University Thessaloniki, Greece. Participation in European and Hellenic Research Projects and in educational activities of the Energy Sector. Teaching assistant for the Heat Transfer lectures (core course – 5 th semester), Introduction to Environmental Engineering and Air Pollution lectures (2 core courses in the specialisation cycle: «Environment and Pollution Control Technology») of the Mechanical Engineering Department. Supervising assistant of more than 30 Diploma Thesis and 12 Student project works. Important experience in the preparation and submission of research project proposals, both Hellenic and EU (e.g. FP7, FP6, INTERREG, LIFE+ etc). |
| Dates | February 2011 - present |
| Occupation or position held | Adjunct Lecturer on Environmental Management (10 th semester) – Position held at the Mechanical Engineering Department of School of Engineering at Aristotle University of Thessaloniki. |
| Dates | January 2002 – March 2007 |
| Occupation or position held | Mechanical Engineer |
| Main activities and responsibilities | Private Works-Construction licenses, Electromechanical Studies, Environmental Impact Assessment studies |
| Name and address of employer | Self-employed |
| Type of business or sector | Construction |

Education and training

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| Title of qualification awarded | PhD, Mechanical Engineering Department, School of Engineering, Aristotle University Thessaloniki, Greece |
| Principal subjects/occupational skills covered | «Integrated assessment of alternative air pollution control strategies in urban environment», Air Quality Management, Operations Research, Environmental Statistics, Abatement Technologies, External Cost of Air Pollution, Cost-benefit analysis, Industrial emissions and impact assessment methods, expertise in dealing with data inventories. |
| Dates | November 2000 – November 2002 |
| Title of qualification awarded | MSc Industrial Engineering |
| Principal subjects/occupational skills covered | Statistics, Logistics, Operations Research, Inventory Management, Scheduling of Production Processes, Industrial Management, Project Management |

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| Name and type of organisation providing education and training | Mechanical Engineering Department, School of Engineering, Aristotle University Thessaloniki, Greece |
| Dates | September 1994 – July 2000 |
| Title of qualification awarded | Diploma in Mechanical Engineering (Equivalent to MSc) |
| Principal subjects/occupational skills covered | Mechanical Engineering, Diploma Thesis: Economic analysis of Energy Systems / System Dynamics |
| Name and type of organisation providing education and training | Mechanical Engineering Department, School of Engineering, Aristotle University Thessaloniki, Greece |

Personal skills and competences

Mother tongue **Greek**

Other language(s)

Self-assessment

European level (*)

English

| Understanding | | | | Speaking | | | | Writing | |
|---------------|-----------------|---------|-----------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |

(*) *Common European Framework of Reference for Languages*

General Licence of Construction and Maintenance of Electrical Installation

All categories

Other skills and competences

Peer reviewer for seven international scientific environmental journals:

(i) Science of the Total Environment, (ii) Environmental Research Letters, (iii) Atmospheric Environment, (iv) Environmental Pollution, (v) Journal of Environmental Planning and Management, (vi) Atmospheric Pollution Research, (vii) Chemical Industry & Chemical Engineering Quarterly (CI&CEQ), (viii) Global NEST Journal

- Coordinator of the Permanent Committee of Energy - Technical Chamber of Greece / Section of Central Macedonia (August 2007 – December 2010)
- Environmental Sensitivity Prize «OIKOPOLIS 2009» in the category of Scientific Research, for the Phd Thesis «Integrated assessment of alternative air pollution control strategies in urban environment» from the Hellenic non-profit environmental organisation ECOCITY (June 2009)
- Scholarship during the post graduate studies in Industrial Engineering from the Mechanical Engineering Department, School of Engineering, Aristotle University Thessaloniki, (November 2001)

Additional information

Organisational skills and competences

- President of the General Assembly of the Technical Chamber of Greece / Section of Central Macedonia (July 2010– present)
- Member of the administrative board of the Institute of Adult Continuing Education, General Secretariat of Continuing Education, Ministry of National Education and Religious Affairs (April 2009 – April 2010)
- General Secretary of the Economic and Social Council of Thessaloniki Prefecture (May 2007 – August 2009)
- Treasurer of the Hellenic Association of Mechanical and Electrical Engineers (May 2006 – May 2008) – Participation in ICOMES 2007
- Member of the Aristotle University Thessaloniki Senate (September 1998 – September 2000)

Interests

- Energy, Environment (Attendance of Seminars and Events)
- Innovation and Technology, Writing of Articles, Sports, Travel

Annex

- Participation in Research Projects
- List of publications

Selected Publications of Dr. Christos Vlachokostas

Referred Publications in Journals (average impact factor 8/10/2012 = 2.30)

1. **Vlachokostas Ch.**, Chourdakis E., Michailidou A.V., Moussiopoulos N., Kelessis A., Petrakakis M., 2012. Establishing relationships between chemical health stressors in urban traffic environments: Prediction of toluene concentration levels in European cities, *Atmospheric Environment*, Volume 55, 2012, Pages 299-310.
2. **Vlachokostas Ch.**, Achilles Ch., Michailidou A.V., Moussiopoulos N., 2012. Measuring combined exposure to environmental pressures in urban areas: An air quality and noise pollution assessment approach. *Environmental International* 39 (1), pp. 8-18.
3. Banias G., Achilles Ch., **Vlachokostas Ch.**, Moussiopoulos N., Papaioannou G., 2011. A web-based decision support system for the optimal management of construction and demolition waste. *Waste Management*, 31 (12) , pp. 2497-2502.
4. **Vlachokostas Ch.**, Achilles Ch., Moussiopoulos N., Banias G., 2011. Multicriteria methodological approach to confront urban air pollution. *Atmospheric Environment*, Volume 45 (25), pp 4160-4169.
5. **Vlachokostas Ch.**, Achilles Ch., Slini T., Moussiopoulos N., Banias G., Dimitrakis I., 2011. Willingness to pay for reducing the risk of premature mortality attributed to air pollution: A contingent valuation study for Greece. *Atmospheric Pollution Research*, 2(3), pp 275-282.
6. **Vlachokostas Ch.**, Moussiopoulos N., Achilles Ch., Kalogeropoulos K., Sigalas G., Kalognomou E.-A., 2010. Health effects and social costs of particulate and photochemical air pollution: A case study for Thessaloniki, Greece. *Air Quality, Atmosphere and Health* 5 (3), pp 325-334.
7. Achilles Ch., **Vlachokostas Ch.**, Moussiopoulos N., Banias G., 2011. Prioritize strategies to confront environmental deterioration in urban areas: Multicriteria assessment of public opinion and experts' views, *Cities*, 28 (5), pp. 414-423.
8. Achilles Ch., **Vlachokostas Ch.**, Moussiopoulos N., Banias G., Kafetzopoulos G., Karagiannidis A., 2011. Social acceptance for the development of a Waste-to-Energy plant in an urban area: Application for Thessaloniki, Greece. *Resources, Conservation and Recycling*, Volume 55, pp 857-863.
9. **Vlachokostas Ch.**, Achilles Ch., Chourdakis E., Moussiopoulos N., 2011. Combining regression analysis and air quality modelling to predict benzene concentration levels. *Atmospheric Environment*, Volume 45 (15), pp 2585-2592.
10. Achilles Ch., Moussiopoulos N., Karagiannidis A., **Vlachokostas Ch.**, Banias G., 2010. Promoting reuse strategies for electrical/electronic equipment. *Waste and Resource Management*, Volume 163, Issue WR4, pp 173-182.
11. **Vlachokostas Ch.**, Nastis S., Achilles Ch., Kalogeropoulos K., Karmiris I., Moussiopoulos N., Chourdakis E., Banias G., Limperi N., 2010. Economic damages of ozone air pollution to crops using combined air quality and GIS modelling. *Atmospheric Environment* 44 (28), 3352-3361.
12. Achilles Ch., **Vlachokostas Ch.**, Aidonis D., Moussiopoulos N., Iakovou E., Banias G., 2010. Optimising reverse logistics network to support policy-making in the case of electrical and electronic equipment. *Waste Management* 30: 2592–2600.
13. Moussiopoulos N., Achilles Ch., **Vlachokostas Ch.**, Spyridi D., Nikolaou K., 2010. Environmental, social and economic information management for the evaluation of sustainability in urban areas: A system of indicators for Thessaloniki, Greece. *Cities* 27 (5) 377-384.
14. Banias G., Achilles Ch., **Vlachokostas Ch.**, Moussiopoulos N., Tarsenis S., 2010. Assessing multiple criteria for the optimal location of a construction and demolition waste management facility. *Building and Environment* 45 (10), 2317-2326.
15. Achilles Ch., **Vlachokostas Ch.**, Moussiopoulos N., Banias G., 2010. Decision support system for the optimal location of electrical and electronic waste treatment plants: A case study in Greece. *Waste Management* 30 (5), 870-879.
16. Monks P.S., Granier C., Fuzzi S., Stohl A., Williams M.L., Akimoto H., Amman M., Baklanov A., Baltensperger U., Bey I., Blake N., Blake R.S., Carslaw K., Cooper O.R., Dentener F., Fragkou E., Frost G., Generoso S., Ginoux P., Grewe V., Guenther A., Hansson H.C., Henne S., Hjorth J., Hofzumahaus A., Huntrieser H., Isaksen I.S.A., Jenkin M.E., Kaiser J., Kanakidou M., Klimont Z., Kulmala M., Laj P., Lawrence M.G., Lee J.D., Liousse C., Maione M., McFiggans G., Metzger A., Mieville A., Moussiopoulos N., Orlando J.J., O' Dowd, C.D., Palmer P.I., Parrish D.D., Petzold A., Platt U., Pöschl U., Prévôt A.S.H., Reeves C. E., Reimann S., Rudich Y., Sellegri K., Steinbrecher R., Simpson D., ten Brink H., Theloke J., van der Werf G.R., Vautard R., Vestreng V., **Vlachokostas Ch.**, and von Glasow R., 2009. Atmospheric composition change – global and regional air quality. *Atmospheric Environment* 43 (33), 5268–5350.
17. **Vlachokostas Ch.**, Achilles Ch., Moussiopoulos N., Hourdakis E., Tsilingiridis G., Ntziachristos L., Banias G., Stavrakakis N., Sidiropoulos C., 2009. Decision Support System for the evaluation of urban air pollution control options: Application for particulate pollution in Thessaloniki, Greece. *Science of the Total Environment* 407 (23), 5937-5948.
18. Moussiopoulos N., **Vlachokostas Ch.**, Tsilingiridis G., Douros I., Hourdakis E., Naneris C. and Sidiropoulos C., 2009. Air quality status in Greater Thessaloniki Area and the emission reductions needed for attaining the EU air quality legislation. *Science of the Total Environment* 407 (4), 1268-1285.