

## 1. Personal Information

*First Name:* Vasiliki  
*Last Name:* Voulgari  
*Father's Name:* Thomas  
*Day of Birth:* July 22, 1982  
*Place of Birth:* Kozani  
*Nationality:* Hellenic  
*Marital Status:* Married

## 2. Contact details

*Address:* 24, An. Naltsa Str., 542 48, Thessaloniki, Greece.  
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## 3. Education and Training

2000-2007 *Undergraduate Student.* School of Mechanical Engineering, Faculty of Engineering, Aristotle University of Thessaloniki.  
Diploma (M.Sc.) of Mechanical Engineer, July 31, 2007.  
Grade: 6.66/10.0 (Very Good)  
M.Eng. Thesis: "*Forecasting Methods of Energy Demand*".

## 4. Foreign Languages

English: Proficiency, University of Westminster, Edexcel.  
Spanish: Level B2

## 5. Academic and Professional Experience

2008-now Freelance Engineer, Strong experience in HVAC system design and Energy modelling.  
2006-2013 Research Assistant, Process Equipment Design Laboratory (PEDL) of Mechanical Engineering Department, of Aristotle University of Thessaloniki (A.U.Th.).  
2013-now Researcher, Cyprus University of Technology, Department of Environmental Science and Technology, Faculty of Geotechnical Sciences and Environmental Management.

## 6. Published Work

### 6.1 Publications in International peer-reviewed journals

- 6.1.1 A. Michopoulos, V. Voulgari, K. Papakostas, N. Kyriakis, *Evaluation of different weather files on energy analysis of buildings*, International Journal of Energy and Environment, Volume 3, Issue 2, pp. 195-208, 2012.
- 6.1.2 A. Michopoulos, V. Voulgari, N. Kyriakis, *University buildings in Greece. Energy analysis of heating and cooling demand*, International Journal of Energy and Environment, Volume 4, Issue 3, pp. 399-408, 2013.

- 6.1.3 A. Michopoulos, V. Skoulou, V. Voulgari, A. Tsikaloudaki, N.A. Kyriakis, The exploitation of biomass for building space heating in Greece: Energy, Environmental and Economic Considerations, Energy Conversion and Management, Volume 78, pp. 276-285, 2014.

## 6.2 Peer-reviewed papers in International conferences' proceedings

- 6.2.1 V. Voulgari, G. Martinopoulos, G. Tsiligiridis, Parametric study of a boiling flat plate solar collector, 1<sup>st</sup> International Conference on Environmental Management, Engineering, Planning and Economics, Skiathos 2007.
- 6.2.2 A. Michopoulos, K. Tsikaloudaki, V. Voulgari, T. Zachariadis, Ground source heat pump systems for residential buildings in warm climates: Energy, Environmental and Economic considerations, The First International ASHRAE Conference on Efficient Building Design – Materials and HVAC Equipment Technologies. Beirut Lebanon, October 2-3, 2014. Paper No: 14790.
- 6.2.3 A. Michopoulos, A. Tsikaloudaki, V. Voulgari, Th. Zachariadis, Analysis of Ground Source Heat Pump Systems in Residential Buildings, World Geothermal Congress, 19-24 April 2015 Australia – New Zealand, Paper No. 29014.

## 6.3 Peer-reviewed papers in Hellenic conferences' proceedings

- 6.3.1 A. Michopoulos, V. Voulgari, K. Tsikaloudaki, T. Zachariadis, Energy, Environmental and Economic Benefits of the Installation of Ground Source Heat Pumps Systems on Commercial Buildings of Cyprus, 10<sup>th</sup> National Conference on Renewable Energy Sources, Thessaloniki Greece, November 26-28, 2014, Volume A, pp. 447-457. Paper No: 80.

## 7 Participation in research projects

- 7.1 *New Materials on the use of solar collectors*  
Coordinator: Aristotle University of Thessaloniki  
Duration: 2006-2008  
Scientific Responsible: Ass. Prof. G. Tsiligiridis  
Position: Researcher
- 7.2 *Heating and cooling loads estimation of the A.U.Th. campus buildings*  
Funded by: Thessaloniki's Natural Gas Corporation S.A.  
Coordinator: Process Equipment Design Laboratory of A.U.Th  
Duration: 2008-2010  
Scientific Responsible: Prof. N. Kyriakis  
Position: Researcher
- 7.3 *Full scale A/C system design for the teaching rooms of Engineering School, based on absorption units*  
Funded by: Engineering Retirement Fund  
Coordinator: Process Equipment Design Laboratory of A.U.Th  
Duration: 2008-2010  
Scientific Responsible: Prof. N. Kyriakis  
Position: Researcher
- 7.4 Ground source heat pump systems for nearly zero energy buildings: Energy, environmental and techno-economic assessment in Cyprus

Funded by: Research Promotion Foundation of Cyprus

Coordinator: Cyprus University of Technology

Duration: 2013-2015

Scientific Responsible: Ass. Prof. Th. Zachariadis

Position: Researcher

## **8. Memberships**

- Member of the Technical Chamber of Greece (TCG), 2007.
- Member of the Union of Mechanical and Electrical Engineers of Northern Greece, 2008.