



## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Savas Geivanidis**  
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**E-mail** [savas.geivanidis@teicm.gr](mailto:savas.geivanidis@teicm.gr) [aki@auth.gr](mailto:aki@auth.gr)  
**Nationality** Greek  
**Date of birth** 21.08.1976  
**Gender** Male

### Work experience

**Dates** February 2014 – Present  
**Occupation or position held** Assistant Professor  
**Main activities and responsibilities** Lectures on Internal Combustion Engines, Vehicles, Hydrogen Technology and Applications, Renewable Energy Sources, HVAC systems  
**Name and address of employer** Lab. of Internal Combustion Engines, Department of Mechanical Engineering, Technological Educational Institute of Central Macedonia (TEICM), Terma Magnesias, 62124 Serres, Greece  
**Type of business or sector** Academia

**Dates** July 1999 – Present  
**Occupation or position held** Senior researcher  
**Main activities and responsibilities** Vehicle emission measurement, simulation and inventoring of exhaust emissions from road transport, evaluation of alternative fuels and lubricants, support in lectures: Mechanical Engineering Laboratory, Experimental Methods of Energy Systems, Exercises on Internal Combustion Engines, Internal Combustion Engines  
**Name and address of employer** Lab. of Applied Thermodynamics, Aristotle University, PO Box 458, 541 24, Thessaloniki, Greece  
**Type of business or sector** Academia

**Dates** 2002 – 2004  
**Occupation or position held** Teaching associate  
**Main activities and responsibilities** Lectures on Internal Combusting Engines and Renewable Energy Sources  
**Name and address of employer** Technical Educational Institute, Serres, Greece  
**Type of business or sector** Academia

**Dates** June 1998 - September 1998  
**Occupation or position held** Trainee  
**Main activities and responsibilities** Design and construction of a testing structure for the evaluation of layer creation parameters for 3d printing applications, programming and use of laser for cutting quartz and thin metal plates  
**Name and address of employer** Technical University of Munich, Lehrstuhl für Feingerätebau und Mikrotechnik, Boltzmannstr. 15, 85747 Garching, Munich, Germany  
**Type of business or sector** Academia

Dates June 1997 – September 1997  
Occupation or position held Trainee  
Main activities and responsibilities Plant monitoring and maintenance, development of part and equipment supplier database  
Name and address of employer Steam Electric Plant of Amynteon, Public Power Corporation of Greece, Filotas, Greece  
Type of business or sector Electrical Power Industry

**Education and training**

Dates 2000 to 2007  
Title of qualification awarded PhD Degree  
Principal subjects/occupational skills covered Vehicle exhaust emissions measurement  
Title of the Thesis: Development of a Methodology for the Determination of Vehicle Emissions by Real Time Measurement  
Name and type of organisation providing education and training Mechanical Engineering Department, Aristotle University of Thessaloniki  
Level in national or international classification ISCED 6

Dates 1994 - 1999  
Title of qualification awarded Diploma in Mechanical Engineering  
Name and type of organisation providing education and training Mechanical Engineering Department, Aristotle University of Thessaloniki  
Level in national or international classification ISCED 5

**Personal skills and competences**

Mother tongue(s) **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

Social skills and competences - Team working in research projects with industrial partners, research institutions or the academia from EU member states.  
- Working experience in different working environment and in different positions.  
- Responsible for university lectures to engineering students.

Organisational skills and competences Responsible for the quality assurance system in my current position

Technical skills and competences - Good command of quality control processes due to the experience acquired as quality manager in an EN ISO 9001:2008 quality management system.  
- Experience in the installation and operation of electronic and mechanical measuring equipment.

Computer skills and competences Through personal studying and in-use training, I have developed the following computer skills:  
- Programming: Matlab™ (good), Visual Basic for Applications™ (good), Fortran (fair)  
- Database management systems: Microsoft Access (good)  
- Operating Systems: Microsoft Windows 95 - 8 (good), Linux (fair), MS-DOS (good)  
- Office Automation: Microsoft Office™ tools (Word, Excel, PowerPoint, Project, Visio) (good)  
- General: Website development (Macromedia Dreamweaver (good), Microsoft FrontPage™ (good)), AutoCAD™ (good), Development and administration of wired or wireless computer networks (good)

Artistic skills and competences | Guitar (mostly self taught)

Driving licence | Category A and B

**Additional information** | SELECTED PUBLICATIONS

Geivanidis S, Pistikopoulos P, Samaras Z., Effect on exhaust emissions by the use of methylcyclopentadienyl manganese tricarbonyl (MMT) fuel additive and other lead replacement gasolines, *Science of the Total Environment*, 2003 Apr 15; 305 (1-3): 129-41

Geivanidis S, Samaras Z, Development of a dynamic model for the reconstruction of tailpipe emissions from measurements on a constant volume sampling dilution system, *Measurement Science and Technology*, 19, 2008, 015404, 11pp

Joumard R, Laurikko J, Le Han T, Geivanidis S, Samaras Z, Oláh Z, Devaux P, André J M, Cornelis E, Rouveirrolles P, Lacour S, Prati M V, Vermeulen R, Zallinger M, Accuracy of exhaust emissions measurements on chassis dynamometer, *Journal of Air and Waste Management Association*, 2008

Geivanidis S., Samaras Z., Investigation of the emission degradation of Euro III and Euro IV gasoline vehicles, *Proceedings of the 14th International Transport and Air Pollution Symposium (TAP 2005)*, Graz, Austria, 2005

Joumard R., J. Laurikko, S. Geivanidis, Z. Samaras, Z. Oláh, M. Weilenman, JM. André, E. Cornelis, M. Gripe, S. Lacour, MV. Prati, R. Vermeulen & M. Zallinger (2006): Accuracy of exhaust emissions measurements on vehicle bench. 2nd conf. Environment & Transport, incl. 15th conf. Transport and Air Pollution, 12-14 June 2006, Reims, France. Proceedings, actes Inrets, n°107, vol. 1, Arcueil, France, p. 119-126

Fontaras G., Geivanidis S., Samaras Z., Development and evaluation of hybrid vehicle emission and fuel consumption factors based on measurements over real world cycles, *Proceedings of the 15th International Transport and Air Pollution Symposium (TAP 2006)*, Reims, France, 2006

Joumard R., J. Laurikko, S. Geivanidis, Z. Samaras, Z. Oláh, M. Weilenman, JM. André, E. Cornelis, M. Gripe, S. Lacour, MV. Prati, R. Vermeulen & M. Zallinger (2006): Accuracy of exhaust emissions measurements on vehicle bench. Poster, FISITA 2006, 22-27 October, 2006, Yokohama, Japan

Joumard R, André JM., Rapone M., Zallinger M., Kljun N., André M., Samaras Z., Roujol S., Laurikko J., Weilenmann M., Markewitz K., Geivanidis S., Ajtay D., Paturel L.: Emission factor modelling for light duty vehicles within the European ARTEMIS model. *Proceedings of the 16th International Conference Transport and Air Pollution (TAP2008)*, 16-17 June 2008, Graz, Austria

Bouilly J., Mohammadi A., Iida Y., Hashimoto H., Geivanidis S., Samaras Z., Biodiesel Stability and its Effects on Diesel Fuel Injection Equipment, *SAE Technical Paper 2012-01-0860*, 2012, doi:10.4271/2012-01-0860

Rose, K., Hamje, H., Jansen, L., Fittavolini, C., Clark, R., Cardenas Almena, M. D., Katsaounis, D., Samaras, C., Geivanidis, S., Samaras, Z., "Impact of FAME Content on the Regeneration Frequency of Diesel Particulate Filters (DPFs)," *SAE Int. J. Fuels Lubr.* 7(2), 2014, doi:10.4271/2014-01-1605.

Vouitsis, I., Geivanidis, S., Samaras, Z., Liquid biofuels in Greece—Current status in production and research, *Journal of Renewable and Sustainable Energy*, 6, 022703 (2014), doi:<http://dx.doi.org/10.1063/1.4873126>

Samaras Z., Vouitsis I., Geivanidis S., Current and Near Term Automotive Engine Trends – CI, invited in *Encyclopedia of Automotive Engineering*, David Crolla, David Foster and Toshio Kobayashi (eds), John Wiley & Sons, Ltd and FISITA ,in press

Samaras Z., Vouitsis I. and Geivanidis S. Trends - Compression Ignition. In *Encyclopedia of Automotive Engineering*, editors David Crolla†; David E. Foster; Toshio Kobayashi; Nicholas Vaughan. Online c 2014 John Wiley & Sons, Ltd. In print January 2015