

Dimitrios Stimoniariis
Applications Professor (TEI)

i) Curriculum Vitae

Dimitrios Stimoniariis was born in Kozani, Greece, in 1964.

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i-a) Personal Studies

He received:

1. The Dipl.-Eng. degree from the Department of Electrical and Computer Engineering at the Aristotle University of Thessaloniki, Greece in 1989.
2. The Master degree from the Department of Electrical and Computer Engineering at the Democritus University of Thrace, Greece in 2005. Theses title: Renewable Technologies integration in the grid.
3. Since December 2011, he is a PhD candidate at the School of Electrical and Computer Engineering of the National Technical University of Athens, Greece.

i-b) Working experience

He has a 20 year experience as supervisor electrical engineer and technical consultant at industrial and residential installations in the prefecture of Western Macedonia, Greece, owning and managing a technical studies and applications bureau since 1992.

i-c) Teaching experience

Since 2001 he belongs to the teaching staff of the dept of Electrical Engineering, at the Technological Institute of Western Macedonia, Greece, where he served as a Visiting Professor of Technolgical Applications and since 2007 as a regular Professor of Technological Applications. His special interests include renewable energy resources, microgrids and smart grids.

i-d) Administrative experience

He has gained significant experience serving in the following administrative positions:

1. Since 2010, he is Vice-President of Thessaloniki's Integrated Transport Authority Board (<http://www.thita.gov.gr/en>).
2. Since 2007 he is member of the Technical Studies and Constructions Authority Board of Kozani Municipality.
3. Since 2010 he is member of the Technical Chamber of Greece/Dept of Western Macedonia Board.

ii) List of relevant publications

ii-a) Scientific Journals:

- 1) D. Stimoniari, D. Tsiamitros, N. Poulakis, T. Kottas, K. Gavros, E. Dialynas, "Experimental Investigation of Smart Distribution Grid Topologies", IET Proceedings Generation, Transmission, Distribution, submitted for review, manuscript No GTD-2012-0046.
- 2) D. Stimoniari, D. A. Tsiamitros, N. Poulakis, T. Kottas, A. Pashopoulos, E. Dialynas, "Experimental Investigation of Smart Grids Topologies with High Penetration of Renewable Energy Sources ", Scientific Journal of the Society of Mechanical-Electrical Engineers of Northern Greece *e-science*, No 2, October 2011, (available on-line: <http://www.smhbe.gr/el/sustimata/>).

ii-b) International Conferences:

- 1) A. Karlis, D. Papadopoulos, D. Stimoniari, "A General Procedure to Evaluate Techno-Economically Small Hydroelectric Stations" World Renewable Energy Congress, May 22-27, 2005, Aberdeen Exhibition and Conference Center Scotland, UK.
- 2) D. Stimoniari, D. Tsiamitros, T. Kottas, N. Asimopoulos,, E. Dialynas, "Smart Grid Simulation Using Small-scale Pilot Installations. - Experimental Investigation of a Centrally-controlled Microgrid", IEEE PowerTech 2011 Conference, paper #84, 19-23 June 2011, Trondheim Norway.
- 3) D. Stimoniari, D. Tsiamitros, N. Poulakis, T. Kottas, V. Kikis, E. Dialynas, "Investigation of Smart Grid Topologies Using Pilot Installations Experimental Results", IEEE Innovative Smart Grid Technologies 2011 Conference, paper #7, 5-7 December 2011, Manchester, UK.

iii) Significant research achievements and projects

iii-a) He is scientific responsible in the project :

«Promotion of Energy Efficiency in Buildings and Protection of the Environment» and acronym **PEEBPE** and co-founded by the European Union and by National Funds of the Participating Countries, under the IPA Cross-Border Programme **“Greece-The Former Yugoslav Republic of Macedonia” 2007-2013** with code **MIS 904032**.

iii-b) He is scientific responsible in the project :

«Smart Electrical Energy Management and Buildings Energy Efficiency Technologies» and acronym **SEEMBEET** and co-founded by the GSRT under the Transnational Programme **“Greece-Turkey 2014-2015”**