







PERSONAL INFORMATION

Dimitrios Triantafyllidis



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-  Messenger Dimitrios Triantafyllidis

Sex Male | Date of birth 25/09/1972 | Nationality Greek

POSITION

Assistant Professor, Electrical Power Systems

WORK EXPERIENCE

2010-this day

Assistant Professor

Dept. of Automation Engineering, ATEITh, PO Box 141, GR57400 Sindos, Thessaloniki

- Teaching Electrical Circuit Theory, Industrial Automation and Power Distribution, Electric Machines and Motion Control
- Served several terms as Head of Electromechanical Sector
- As of 2016: Head of Industrial Automation and Mechatronics Sector,
- Supervising several Diploma Theses
- Research

Business or sector Higher Education

2006-2010

Professional Engineer

Department of Electromechanical Works, DDE/PKM (Region of Central Macedonia)

- Surveys
- Supervising Electromechanical Works
- Administrative Work

Business or sector Public Sector/Administration

2002-2006

Professional Engineer

NRG-ORION, Th. Matopoulos SA, Thessaloniki

- Energy Conservation
- Electrical Power Systems Engineering
- Surveys
- Supervising Electromechanical Works
- PV Systems
- Research
- Mathematical Modelling
- Sales

Business or sector Electrical Construction

- 1997-2002 **Professional Engineer**
 Self-employed
- Electrical Power Systems Engineering
 - Surveys
 - Supervising Electromechanical Works
 - Teaching
 - Electrician at a ship of the Hellenic Navy
 - Computer programmer at the Hellenic Navy
- Business or sector** Self-employed/Naval Duty

EDUCATION AND TRAINING

- 1997-2001 **Doctorate Diploma in Engineering (PhD)**
 Aristotle University of Thessaloniki, Dept. of Electrical and Computer Engineering
- Finite Elements, Neural Networks, Self-Organizing Maps, Short-Circuit Forces on Busbars
- 1991-1996 **Diploma in Electrical Engineering**
 Aristotle University of Thessaloniki, Dept. of Electrical and Computer Engineering
- Electrical Engineering, Circuits, Electronics, Computer Architecture, Computer Programming, Electromagnetic Field Theory, Electric Machines, Signals & Systems, Power Systems, High Voltage Engineering, Power Electronics

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	C2	C2	C1	C2	C2
Kleines Deutsches Sprachdiplom					
English	C2	C2	C1	C2	C2
Cambridge Proficiency in English					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

- Communication skills ▪ Good communication skills gained through my experience as sales manager at NRG-ORION.
- Organisational / managerial skills ▪ Leadership: Research Director at NRG-ORION, Head of Electromechanical Sector at ATEITH.
- Job-related skills ▪ Experienced technology integrator (skill acquired mostly at NRG-ORION and current job position)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient	Proficient	Independent	Proficient	Proficient

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Doctorate from the Dept. of Electrical and Computer Engineering (AUTH)

Other skills

- Good technical communication skills in German. Born and raised in Germany, until the age of 10. Had the opportunity to communicate in spoken and written German in many occasions to solve engineering problems.

Driving licence

B

ADDITIONAL INFORMATION

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Honours and awards
- Memberships
- References
- Citations
- Courses
- Certifications

- D.G. Triantafyllidis, G.K. Papagiannis and D.P. Labridis, "Calculation of Overhead Transmission Line Impedances - A Finite Element Approach," IEEE Transactions on Power Delivery, 14(1), 287-293 (1999).
- G.K. Papagiannis, D.G. Triantafyllidis and D.P. Labridis, "A one-step finite element formulation for the modeling of single and double-circuit transmission lines," IEEE Trans. Power Systems, 15(1), 33-38 (2000).
- D.G. Triantafyllidis and D.P. Labridis "An automatic mesh generator for handling small features in open boundary power transmission line problems using artificial neural networks," Communications in Numerical Methods in Engineering, 16, 177-190 (2000).
- D.G. Triantafyllidis and D.P. Labridis, "A Finite Element Mesh Generator based on Growing Neural Networks," IEEE Trans. Neural Networks, 13(6), 1482-1496, (2002).
- D.G. Triantafyllidis, P.S. Dokopoulos and D.P. Labridis, "Parametric Short-Circuit Force Analysis of Three-Phase Busbars – A Fully Automated Finite Element Approach," IEEE Trans. Power Delivery, 18(2), 531-537, (2003).
- A. Kastopoulos, F. Stergiopoulos and D. Triantafyllidis, "Power Harmonics Considerations in Commercial Electronic Apparatus," 1st International Workshop on Microsystems, December 26th 2016, Sindos Campus, ATEITH.
- Tsagaris A., Triantafyllidis D.G, "Data monitoring system for supervising the performance assessment of a photovoltaic park," Computational Intelligence and Informatics (CINTI), 2012 IEEE 13th International Symposium on, 20-22 Nov. 2012, Budapest.
- "Αρμονικές ρεύματος σε βιομηχανικό περιβάλλον," EnergyTec 2006, International Conference, HAMEE, 23-25 November 2006, Athens Greece, 2006.
- "Mesh Density Prediction for Open Boundary Faulted Power Transmission Line Problems using Artificial Neural Networks," Machine Learning and Applications, ACAI '99, European Coordinating Committee on Artificial Intelligence & Hellenic Artificial Intelligence Society, Chania, Greece, 1999.
- "Ηλεκτρολογικές εγκαταστάσεις γεωργίας και φυτοκομίας", Ευρωπαϊκά Πρότυπα Ηλεκτροτεχνίας- Διαδικασίες Εναρμόνισης, Εργαστήριο ΣΗΕ, ΑΠΘ, Θεσσαλονίκη, 1997.
- "Calculation of Overhead Transmission Line Impedances, using the Finite Element Method," IEEE Greek Power Chapter, Thessaloniki, 1996.
- Ανάπτυξη Συστημάτων Τεχνητής Νοημοσύνης για την Παραγωγή Ποιοτικών Τριγωνικών Πλεγμάτων Πεπερασμένων Στοιχείων, Θεσσαλονίκη 2001, *PhD Thesis (in Greek)*
- 1998: One year PhD Scholarship-Prize, sponsored by the Research Committee of the Aristotle University of Thessaloniki for excellent achievements in the field of study.