

CURRICULUM VITAE : Andritsos Ioannis, Professor

Born..... : May 28, 1952 (Volos, Greece)

Citizenship..... : Greek

Languages..... : Greek (native), French, English

Work Address

University of Applied Sciences of Thessaly - Greece,
Faculty of Applied Sciences,
Department of Electrical Engineering,
Section of Power Electronics and Industrial Electronics,
Nea Ktiria 41110 Larissa - Greece

Electronic Address

✉ : jadritsos@ath.forthnet.gr

✉ : adritsos@teilar.gr

☎ : +302410684302 (Voice)

☎ : +306974813983 (mobile)

Education

- University of Limoges, France, Department of Telecommunications Ph.D. in Electronics - Communications, Microwaves and Fibber Optics, 1978-1981, Dissertation title: "Propagation of TE₁₁ mode in curved circular waveguides".
- University of Limoges, France, Department of Telecommunications, Master of Science (DEA) 1977-1978.
- Diploma in Physics, University of Athens, Athens, Greece 1971-1976.

Areas of competence

Electronic with emphasis to Power electronics and Industrial electronics, AC/DC converters, DC/DC converters (SMPS), Inverters.

Research Interests

Multilevel inverter topology for PV systems with Space Vector Pulse Width Modulation (SVPWM) control scheme, MPPT DC/DC Converters, Power quality and PFC (Power Factor Correction).

Employment

- Section of Power Electronics & Industrial Electronics, Department of Electrical Engineering, University of applied Sciences of Thessaly, Larissa, Greece 2003-**present, Professor**
- Section of Power Electronics & Industrial Electronics, Department of Electrical Engineering, University of applied Sciences of Thessaly, Larissa, Greece 1986-2003, **Assistant Professor**
- Section of Power Electronics & Industrial Electronics, Department of Electrical Engineering, University of applied Sciences of Thessaly, Larissa, Greece 1984-1986, **Lecturer**
- University of Limoges - France, Department of Telecommunications 1976-1981, **Teaching Assistant, Researcher.**

Teaching

- Power electronics (courses and Laboratories) to undergraduate students of sixth semester of Electrical Engineering Department (1984-present).
- Industrial electronics (courses and Laboratories) to undergraduate students of seventh semester of Electrical Engineering Department (2001-present).
- Computer Programming in Fortran, Pascal, C (courses and Laboratories) to undergraduate students of second and third semester of Electrical Engineering Department (1984-1995).

- Analog electronics (courses and Laboratories) to undergraduate students of third semester of Electrical Engineering Department (2010-2016).
- Professional Experience**
- Software developer in the area of Biomedical Engineering with emphasis to software applications for Computer Tomography and Nuclear Medicines Centres, Dental Centres, Medical Diagnostic Centres, Private and Hospital Clinics (1991-present)
 - Head of the Department of Electrical Engineering, University of applied Sciences of Thessaly, Larissa, Greece for the years (1995-2001), (2003-2006), (2010-2014) and (2015 - 2017).
 - Director of Post Graduate Program of «Energy Technologies and Automation Systems» (2015 - 2017)
- Publications**
- **I.Andritsos** : "Propagation of mode TE11 in curved circular waveguides", Rapport de stage du D.E.A, Novembre 1978, Université de Limoges France.
 - **I.Andritsos** : " Propagation of mode TE11 in curved circular waveguides ". These de 3eme cycle, Fevrier 1981, Université de Limoges France.
 - C. Fray, **I. Andritsos**, A. Papiernik : "Additional losses and time delay fluctuations of TE11 modes in curved circular waveguides - Application to feeder antennas", Electronics letters, May 1981, vol.17, No.11, pp.362-364.
 - C. Fray, **I. Andritsos**, A. Papiernik : "Excess loss of TE11 modes in curved circular waveguide", IEE conf. publ, 195, 1981, pp.525-529.
 - C. Fray, **I. Andritsos**, A. Papiernik: "Cross polar discrimination between the fundamental modes of curved circular waveguides - Application to feeder antennas", 7th colloquium on microwave communication, Budapest 6-10th September 1982.
 - M. N. Moschakis, V. V. Dafopoulos, **I. G. Andritsos**, E. S. Karapidakis, J. M. Prousalidis, "The Effect of Transformer's Vector Group on Retained Voltage Magnitude and Sag Frequency at Industrial Sites due to Faults", International Journal of Electrical Science and Engineering, International Science Index 79, Vol:7, No:7, 2013.
 - M. N. Moschakis, **I. G. Andritsos**, V. V. Dafopoulos, J. M. Prousalidis, E. S. Karapidakis, "An Evaluation of Sag Detection Techniques for Fast Solid-State Electronic Transferring to Alternate Electrical Energy Sources", International Journal of Electrical Science and Engineering, International Science Index 80, Vol:7, No:8, 2013.
 - M. N. Moschakis, V. V. Dafopoulos, **I. G. Andritsos**, E. S. Karapidakis, J. M. Prousalidis, "The Effect of Transformer's Vector Group on Retained Voltage Magnitude and Sag Frequency at Industrial Sites due to Faults", International Journal of Electrical Science and Engineering, International Science Index 79, Vol:7, No:7, 2013
 - M. N. Moschakis, **I. G. Andritsos**, V. V. Dafopoulos, J. M. Prousalidis, E. S. Karapidakis, "An Evaluation of Sag Detection Techniques for Fast Solid-State Electronic Transferring to Alternate Electrical Energy Sources", International Journal of Electrical Science and Engineering, International Science Index 80, Vol:7, No:8, 2013.
 - K. Kokkinos, E.I. Papageorgiou, V. Dafopoulos and **I. Andritsos**, "Efficiency in Energy Decision Support Systems using Soft Computing Techniques", Intelligent Decision Support Systems for Sustainable Computing, Springer 2016.
- Monographies**
- "Power Electronics devices", Technological Institute of Thessaly, Larissa 2008, Greece.
 - "Power Electronics Labs", Technological Institute of Thessaly, Larissa 2009, Greece.

- “An introduction to Industrial Electronics”, Technological Institute of Thessaly, Larissa 2008, Greece.
- “Industrial electronics Labs” Technological Institute of Thessaly, Larissa 2009, Greece.
- “Database and file management system”, Technological Institute of Thessaly, Larissa 1986, Greece.

Books

I. G. Andritsos, G. C. Soutis : “Applications and files management in language BASIC for IBM/PC/XT and compatibles”, Publications Kleidarithmos 1987, Athens, Greece.

Computer skills and competences

Windows XP/Vista/7/8, SPSS17/20, Word, Excel, Access, PowerPoint, Adobe Acrobat, Delphi for Windows, Visual Basic, Pascal, C, Fortran, Psim, Pspice, MatLab.