

CURRICULUM VITAE

A) Personal Details

Surname : LEONIDOPOULOS
Name : GEORGIOS
Father's name : PANAYIOTIS
Mother's name : HELENE

B) Education

1976-1981 : Studies and Diploma of Engineer at University of Patras, Greece, Polytechnic School, Department of Electrical and Computer Engineering. Duration : five (5) years.
1982 : Postgraduate studies at Iowa State University (Ames, Iowa, USA).
1983 : Postgraduate studies at Wayne State University (Detroit, Michigan, USA), Department of Electrical and Computer Engineering.
1983-1984 : Master's Degree (M.Sc.) in the area of «Electric Power and Energy» at Strathclyde University (Glasgow, UK), Department of Electronic and Electrical Engineering.
1984-1987 : Studies, Research and Doctorate (Ph.D.) in the area of «Analysis and Control of Electric Power and Energy Systems» at Strathclyde University (Glasgow, UK), Department of Electronic and Electrical Engineering.

Γ) Professional Background

1979 : Trainee as an engineer at technical service of Public Electricity Company of Greece at Kalamata branch.
1984-1988 : Scientific Associate for five years at Strathclyde University (Glasgow, UK) , Department of Electronic and Electrical Engineering, Department of Mathematics.
1991-1993 : Scientific Associate at Kalamata Institute of Technology, Kalamata, Greece. Teacher at Secondary Education.
1994-2003 : Member of Scientific Staff at Lamia Institute of Technology, Lamia, Greece, Department of Electrical Engineering.
2004-2009 : Scientific Associate at Athens Institute of Technology, Athens, Greece, Department of Electronics and at ΑΣΠΙΑΙΤΕ (School of Education and Technology, Athens), Department of Electronic Engineering, Department of Electrical Engineering.
2010-2018 : Member of Scientific Staff at Electrical Engineering Department of Technical University of Piraeus.
2018- : Member of Teaching and Research Staff at Electrical and Electronic Engineering Department of West Attica University.

Δ) Military Background

1989-1990 : Military obligatory service at Military Hardware Body, Hardware repair unit of Hawk missiles, Office technical assistant.

E) Scientific, Research and Writing Activity

1980- : Scientific, research and writing work, internationally recognized today, is being developed through the whole period alongside any other professional or any other type of work. Scientific research, writing and publication(beyond the Master's and Doctorate Dissertations and after referee process) of over sixty five(65) research articles has been carried out up today in international accredited scientific periodicals.
1985- : Reference of his research articles in the work of other researchers. Requests for copies of his research articles from Scientific and Research Centers around the world, public and private.

- 1986- : Referee of research articles for international accredited scientific periodicals.
1993 : Patent holder in the area of electric power and energy systems.
1996 : Reference and Publication of a multi-year research of his in a journal of scientific and technological research of EU - Directorate of Research and Development of European Commission.
1999 : Installation and experimental study of 60W photovoltaic system. Electric Power systems Laboratory, Electrical Engineering Department, Lamia Institute of Technology, Lamia, Greece.
2001 : Installation and experimental study of 60W wind turbine system. Electric Power systems Laboratory, Electrical Engineering Department, Lamia Institute of Technology, Lamia, Greece.
2002 : Construction of a very small dimension electric car that uses solar energy. Electric Power systems Laboratory, Electrical Engineering Department, Lamia Institute of Technology, Lamia, Greece.

ΣΤ) Foreign Languages

α) English : Excellent

1. Permit to teach English by the Greek Ministry of Education
2. Holder of Cambridge Proficiency.
3. Residence for a year in USA and for five years in UK.
4. Teaching for five years at Strathclyde University, Glasgow, UK.

β) Spanish : Good

1. Three (3) years study at Strathclyde University, Glasgow, UK, Department of Foreign Languages.

γ) French : Elementary

1. Two (2) years study at Alliance Francaise, Glasgow, UK.
2. Residence for three months in France.

Z) Computers

α) Programming languages

1. Machine language
2. ASSEMBLY
3. FORTRAN
4. BASIC
5. PASCAL

β) Operating Systems

1. VAX/VMS
2. MS-DOS
3. Windows

γ) Microprocessors

1. Motorola 68000

δ) Auxiliary Software

1. Mathematical Library NAG

ε) Graphical Drawing Software

1. GINO

H) Publications

- 1) RA Fouracre, G. Leonidopoulos, RI Frame, SI Bektas.
Surface conductivity measurements on thin polymer films.
Journal of Physics E: Scientific Instrumentation, Vol. 19, 1986, pp. 155-156.
- 2) RA Fouracre, G. Leonidopoulos, RI Frame.
Effect of solvents on surface resistivity measurement of polymer films.
Polymer Testing, Elsevier, Vol. 7, 1987, pp. 85-90.

- 3) Georgios Leonidopoulos.
A novel numerical method for the accurate solution of induction machine transient.
IEEE Transactions on Energy Conversion, IEEE/ PES Winter Meeting 1988,
Paper No 88, WM 022-6, New York, February 1988, pp.1-5.
- 4) Georgios Leonidopoulos.
Load flow fast linear method and approximate linear solution.
Modelling, Simulation and Control A, Vol. 18, No 2, 1988, pp. 23-34.
- 5) Georgios Leonidopoulos.
Dynamic analysis of a power system using dynamic π -equivalent.
Modelling, Simulation and Control A, Vol. 18, No 2, 1988, pp. 35-46.
- 6) Georgios Leonidopoulos.
Dynamic π -equivalent of a transformer under tap ratio change.
Modelling, Simulation and Control A, Vol. 18, No 2, 1988, pp. 47-57.
- 7) Georgios Leonidopoulos.
Measurement and the effect of different solvents on thin polymer film surface resistance, Part I.
Modelling, Simulation and Control B, Vol. 18, No 2, 1988, pp. 29-37.
- 8) Georgios Leonidopoulos.
Measurement and the effect of different solvents on thin polymer film surface resistance, Part II.
Modelling, Simulation and Control B, Vol. 18, No 2, 1988, pp. 39-43.
- 9) Georgios Leonidopoulos.
Accurate numerical solution of machine transient.
Modelling, Simulation and Control A, Vol. 18, No 3, 1988, pp. 1-12.
- 10) Georgios Leonidopoulos.
Dynamic discrete π -equivalent of a transformer under tap ratio change.
Modelling, Simulation and Control A, Vol. 19, No 1, 1988, pp. 1-6.
- 11) Georgios Leonidopoulos.
Dynamic analysis of a power system under transformer tap ratio change using dynamic discrete π -equivalent.
Modelling, Simulation and Control A, Vol. 19, No 1, 1988, pp. 7-17.
- 12) Georgios Leonidopoulos.
Minimum static reactive compensation Part 1.
Modelling, Simulation and Control A, Vol. 19, No 3, 1988, pp. 1-9.
- 13) Georgios Leonidopoulos.
Minimum static reactive compensation Part 2.
Modelling, Simulation and Control A, Vol. 19, No 3, 1988, pp. 11-18.
- 14) Georgios Leonidopoulos.
Approximate range of active and reactive power under voltage magnitude and angle constraints.
Modelling, Simulation and Control A, Vol. 19, No 3, 1988, pp. 45-54.
- 15) Georgios Leonidopoulos.
Approximate range of voltage magnitude and angle under active and reactive power constraints.
Modelling, Simulation and Control A, Vol. 19, No 3, 1988, pp. 55-64.
- 16) Georgios Leonidopoulos.
Minimization of a power system generation cost using approximate active power losses.
Modelling, Simulation and Control A, Vol. 19, No 4, 1988, pp. 1-9.
- 17) Georgios Leonidopoulos.
A direct method of linear optimization Part 1.
AMSE Review, Vol. 8, No 4, Autumn 1988, pp. 25-34.
- 18) Georgios Leonidopoulos.
A direct method of linear optimization, Part 2.
AMSE Review, Vol. 8, No 4, Autumn 1988, pp. 35-44.

- 19) Georgios Leonidopoulos.
Mathematical solution of n upper and lower bound linear inequalities of n variables.
AMSE Review, Vol. 8, No 4, Autumn 1988, pp. 55-63.
- 20) Georgios Leonidopoulos.
Economic operation of a power system.
International Journal of Engineering Costs and Production Economics, Elsevier,
Vol. 14, 1988, pp. 275-279.
- 21) Georgios Leonidopoulos.
Measurement and the effect of different solvents on thin polymer film surface resistance.
Materials and Structures, Rilem, Vol. 21, 1988, pp. 379-383.
- 22) Georgios Leonidopoulos.
Fast linear method and convergence improvement of load flow numerical solution methods.
Electric Power Systems Research Journal, Vol. 16, No 1, February 1989, pp. 23-31.
- 23) Georgios Leonidopoulos.
Measurement and the effect of different solvents on thin polymeric film surface resistance.
IEEE Transactions on Instrumentation and Measurement, Vol. 38, No 1, February 1989, pp. 43-48.
- 24) Georgios Leonidopoulos.
Surface resistance of thin polyester film using two different measurement methods.
Polymer Testing, Elsevier, Vol. 8, No 1, 1989, pp. 19-43.
- 25) Georgios Leonidopoulos.
Recovery behaviour of thin polyester film surface resistance under the influence of different liquids.
Polymer Testing, Elsevier, Vol. 8, No 2, 1989, pp. 77-82.
- 26) Georgios Leonidopoulos.
Voltage and VAR control.
Modelling, Simulation and Control A, Vol. 22, No 2, 1989, pp. 27-63.
- 27) Georgios Leonidopoulos.
Approximate decoupled load flow solution.
Modelling, Simulation and Control A, Vol. 22, No 3, 1989, pp. 11-18.
- 28) Georgios Leonidopoulos.
Surface resistance measurement of polyethylene.
Modelling, Simulation and Control A, Vol. 22, No 3, 1989, pp. 19-40.
- 29) Georgios Leonidopoulos.
Mathematical formulation of the economic dispatch problem of a power system by using a linear load flow model.
International Journal of Engineering Costs and Production Economics, Elsevier,
Vol. 21, 1991, pp. 11-20.
- 30) Georgios Leonidopoulos.
Thin estrofol film surface resistance measurement using concentric cylindrical measuring system.
Polymer Testing, Elsevier, Vol. 10, No 1, 1991, pp. 69-77.
- 31) Georgios Leonidopoulos.
Linear power system equations and security assessment.
International Journal of Electrical Power and Energy Systems, Vol. 13, No 2,
April 1991, pp. 100-102.
- 32) G. Leonidopoulos, P. Leonidopoulos, E. Leonidoulou
Surface resistance measurement of polyethylene using the concentric ring electrode method.
Materials and Structures, Rilem, Vol. 24, 1991, pp. 362-368.
- 33) Georgios Leonidopoulos.
Voltage distribution of two thin polymeric film surface resistance measurement systems.
IEEE Transactions on Instrumentation and Measurement, Vol. 40, No 3,
June 1991, pp. 635-639.
- 34) Georgios Leonidopoulos.
Thin acetate and polyethylene film surface resistance measurement and voltage distribution of their respective measurement systems.
Polymer Testing, Elsevier, Vol. 10, No 4, 1991, pp. 291-304.

- 35) Georgios Leonidopoulos.
A novel method for power system contingency analysis.
Modelling, Measurement and Control A, Vol. 48, No 1, 1993, pp. 19-34.
- 36) Georgios Leonidopoulos.
Efficient starting point of load-flow equations.
International Journal of Electrical Power and Energy Systems, Vol. 16, No 6, December 1994, pp. 419-422.
- 37) Georgios Leonidopoulos.
Analysis of the experimental response of thin polymeric film surface resistance measurement method.
Polymer Testing, Elsevier, Vol. 14, No 1, 1995, pp. 3-11.
- 38) Georgios Leonidopoulos.
Wind generator output voltage, current and rotor frequency measurement.
Modelling, Measurement and Control A., Vol. 62, No 1, 1995, pp. 43-48.
- 39) Georgios Leonidopoulos.
Does the surface resistance under measurement in the thin polymeric film surface resistance measurement method vary during the experimental response of the system?
Polymer Testing, Elsevier, Vol. 14, No 2, 1995, pp. 121-128.
- 40) Georgios Leonidopoulos.
Transformer dynamic modelling and dynamic modelling and analysis of power system under transformer tap ratio change.
Modelling, Measurement and Control A, Vol. 64, No 3, 1995, pp. 25-38.
- 41) Georgios Leonidopoulos.
Linear modelling simulation and contingency analysis of power system.
Modelling, Measurement and Control A, Vol. 64, No 3, 1995, pp. 39-64.
- 42) Georgios Leonidopoulos.
II-transformation of transformer line.
Modelling, Measurement and Control A, Vol. 65, No 1, 1995, pp. 1-5.
- 43) Georgios Leonidopoulos.
Approximate linear decoupled solution as the initial value of power system load flow.
Electric Power Systems Research Journal, Vol. 32, No 3, March 1995, pp. 161-164.
- 44) Georgios Leonidopoulos.
Power system improved operation.
Modelling, Measurement and Control A, Vol. 65, No 1, 1995, pp. 7-15.
- 45) Georgios Leonidopoulos.
Linear load flow of power system using cartesian co-ordinates.
Modelling, Measurement and Control A, Vol. 65, No 1, 1995, pp. 17-32.
- 46) Georgios Leonidopoulos.
Estimation of high voltage impulse generator parameters in order to meet output specifications.
Modelling, Measurement and Control A, Vol. 65, No 2, 1995, pp. 1-8.
- 47) Georgios Leonidopoulos.
Approximate linear decoupled solution as the initial value of power system load flow.
Fuel and Energy Abstracts Journal, Vol. 36, No 5, September 1995, pp. 342.
- 48) Georgios Leonidopoulos.
Attempt to explain why the surface resistance under measurement in the thin polymeric film surface resistance measurement method varies during the experimental response of the system.
Polymer Testing, Elsevier, Vol. 15, No 5, 1996, pp. 491-500.
- 49) Georgios Leonidopoulos.
On excellent approximate summations of the first N inverse natural numbers.
Advances in Modelling and Analysis A, Vol. 30, No 1, 1996, pp. 31-40 and Vol. 33, No 1, 1998, pp. 19-28.

- 50) Georgios Leonidopoulos.
A method for locating polymeric insulation failure of underground cables.
Polymer Testing, Elsevier, Vol. 17, No 3, 1998, pp. 163-165.
- 51) Georgios Leonidopoulos.
On the convergence of three series.
Advances in Modelling and Analysis A, Vol. 33, No 1, 1998, pp. 53-68.
- 52) Georgios Leonidopoulos.
Root investigation of third degree algebraic equation.
Advances in Modelling and Analysis A, Vol. 34, No 1, 1998, pp. 29-49.
- 53) Georgios Leonidopoulos.
Greenhouse dimensions estimation and short time forecast of greenhouse temperature based on net heat losses through the polymeric cover.
Polymer Testing, Elsevier, Vol. 19, No 7, 2000, pp. 801-812.
- 54) Georgios Leonidopoulos.
Trigonometric form of the quadratic algebraic equation solution.
Advances in Modelling and Analysis A, Vol. 37, No 1, 2000, pp. 21-28.
- 55) Georgios Leonidopoulos.
Greenhouse daily sun-radiation intensity variation, daily temperature variation and heat profits through the polymeric cover.
Polymer Testing, Elsevier, Vol. 19, No 7, 2000, pp. 813-820.
- 56) Georgios Leonidopoulos.
A mathematical method for solving a particular type of linear differential equations using complex symbolism.
Advances in Modelling and Analysis A , Vol. 37, No 1, 2000, pp. 45-50.
- 57) Georgios Leonidopoulos.
Erratum to **Greenhouse dimensions estimation and short time forecast of greenhouse temperature based on net losses through the polymeric cover.**
Polymer Testing, Elsevier, Vol. 20, No 3, 2001, pp. 351.
- 58) Georgios Leonidopoulos.
Erratum to **Greenhouse daily sun-radiation intensity variation, daily temperature variation and heat profits through the polymeric cover.**
Polymer Testing, Elsevier, Vol. 20, No 3, 2001, pp. 353.
- 59) Georgios Leonidopoulos.
Test methods of the four basic mathematical operations (addition , subtraction , multiplication , division).
Advances in Modelling and Analysis A, Vol. 38 , No 3 , 2001, pp. 43-54.
- 60) Georgios Leonidopoulos.
Heating and heat losses of greenhouse.
Modelling , Measurement and Control B, Vol. 72, No 3, 2003, pp. 61-71.
- 61) Georgios Leonidopoulos.
Modelling and Simulation of Electric Power Transmission Line Voltage.
AMSE - Modelling A, Vol. 88, N° 1, 2015, pp. 71-83.
- 62) Georgios Leonidopoulos.
Modelling and Simulation of Electric Power Transmission Line Current as wave.
AMSE, Modelling A, Vol. 89, N° 1, 2016, pp. 1-12.
- 63) Georgios Leonidopoulos.
Analysis of Electric Power Transmission Line Wave Voltage Components in Polar Form.
AMSE-IIETA, MMC-A, Vol. 92, No 2-4, 2019, pp. 1-5.
- 64) Georgios Leonidopoulos.
Analysis of Electric Power Transmission Line presenting only long-wise inductance.
AMSE-IIETA MMC-A, Vol. 92, No 2-4, 2019, pp. 58-61.
- 65) Georgios Leonidopoulos.
Analysis of Electric Power Transmission Line Resultant Wave Current in Polar Form.
AMSE-IIETA MMC-A, Vol. 92, No 2-4, 2019, pp. 54-57.

Θ) Research Interests

- α)** Electric Power and Energy Systems
- β)** Greenhouses
- γ)** Insulating Polymeric Materials
- δ)** Electric Fields
- ε)** Electric Machines
- στ)** Renewable Energy Resources

