

**CURRICULUM VITAE**  
**Dr PANTELIS ANTONIADIS**  
**ECONOMIST**  
**ELECTRICAL ENGINEER TE**  
**ASSISTANT PROFESSOR**  
**KAVALA INSTITUTE OF TECHNOLOGY**

**I. PERSONAL DETAILS**

Date of Birth : 2 April 1951  
Place of Birth : Kavala  
Home Address : Kappadokias 7 , 65404 Kavala  
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Foreign Languages : English

**II. PROFESSIONAL QUALIFICATIONS**

- 2.1. PhD Degree, Democritus University of Thrace, Polytechnic School, Department of Civil Engineering, 2006.
- 2.2. Bachelor in Economics, Business Administration Department School of Higher Industrial Studies of Thessaloniki, 1982
- 2.3. Diploma in Electrical Engineering TE (A.S.Y.TH.). Higher School of Engineers of Thessaloniki. 1972

**III. TEACHING EXPERIENCE**

Twenty-seven (27) years of academic teaching as follows:

**DEPARTMENT OF ELECTRICAL ENGINEERING**

Electrical Circuits I theory and laboratory.  
Electro technology II theory and laboratory.  
Total Quality Management.  
Project Management Administration (former techno-economics).  
Business Economy.  
Principles of Management Organization.  
Energy Economy.  
Political Economy.  
Operational Research.  
Entrepreneurship (Innovation).

**DEPARTMENT OF MECHANICAL ENGINEERING**

Electro technology theory and laboratory.

## **DEPARTMENT OF OIL AND GAS TECHNOLOGY**

Electro technology theory.  
Techno-economical Analysis.

## **DEPARTMENT OF INDUSTRIAL INFORMATION**

Business Administration

## **ELECTIVE STUDIES PROGRAM PRODUCTION UNITS MANAGEMENT**

Production Management

I lectured courses of 30 hours in ELKEPA, in a seminar entitled: Principles of General Accounting in a long-term program for business executives, class of ACCOUNTING AND TAX.

I lectured courses of 24 hours at KEK APOPSH at a seminar entitled: REGULATORS AND OPERATORS OF WOOD PROCESSING MACHINERY

## **IV. RESEARCH ACTIVITY**

### **PARTICIPATION IN RESEARCH PROJECTS**

1. Upgrade of course curriculum in the Departments of Electrical Engineering of TEI Iraklion & Kavala, EPEAEK, Subproject 3, Item 3.1, Action 3.1.a, 1998-99, duration 2 years, Scientific Director Professor D. Pogaridis, Kavala Institute of Technology.
2. Textbooks, Kavala Institute of Technology, EPEAEK, duration 2 years, Scientific Director Professor C. Valavanis.
3. Modeling and control of electrical machinery interconnected in electric power generation system, duration 2.5 years, Scientific Director Professor D. Bandekas.
4. Optimization of power factor in the operational area of Kavala, preparation and evaluation of investment project, duration 2.5 years.
5. Techno-economical analysis of a hybrid electric power generation system for covering the energy needs of the laboratory of electrical machinery - ATEI Kavala, duration 2 years.
6. Institutional supervisor and scientific supervisor (in progress) of the Business Innovation Unit

## **V. TEACHING NOTES**

I contributed to the content formation of the following courses according to the course curriculum of the Department of Electrical Engineering and authored teaching notes for the laboratory of Electrical Circuits I and II, the laboratory of Electrotechnology in the Department of Mechanical Engineering, Electrotechnology in the Department of Technology Oil and Gas, Administration of Work Management, Total Quality Management and Principles of Organization Management, Energy Economy, Political Economy and Operational Research.

## **VI. SUPERVISOR IN DISSERTATIONS - MEMBER IN EXAMINATION COMMITTEES**

1985 - Present

Supervisor in numerous dissertations

Past and current member of examination committees for dissertations.

## **VII. LABORATORY ORGANIZATION**

As the Director of the Laboratory of Electrotechology and Electrical Measurements in the Department of Electrical Engineering (Kavala Institute of Technology), I contributed to the upgrade of the scientific equipment, to the requirements of equipment and setting up of the above laboratory and specifically of the courses: Electric Circuits I, Electric Circuits II, Electrotechology for Mechanical Engineers.

## **VIII. PROFESSIONAL EXPERIENCE**

### **Professional Non-Teaching Activity**

From 20/11/1973 to 30/01/1975 and 6/1/1977 to 15/2/1985 at the Furniture Factory "A. Antoniadis S.A." as a preserver of electrical installations and equipment and an accountant.

From 1/6/1976 to 25/10/1976 at the 498 Battallion of Transmissions as an instructor of technical **Solutions** with duties related to the function and preventive maintenance of equipment of very high ground frequency.

From 25/01/1976 to 31/05/1976 at the 498 Battallion of Transmissions as an operator and preserver of very high ground frequency machinery (in the inner part of which electric voltage in the range of 1000V are developed) with very good to excellent performance.

From 22/7/1975 to 25/01/1976 at the 493 Battallion of Transmissions as a preserver of very high ground frequency machinery.

## **IX. ADMINISTRATIVE EXPERIENCE**

From 1/9/1987 to 31/08/1992 Group Leader of Course Group I (Electrical Circuits and Electrical Measurements).

From 8/31/1999 to 1/9/1999- Group Leader of Course Group I (Electrical Circuits and Electrical Measurements).

From 09/01/2001 to 31/08/2004 Associate Head of the Sector of Electrotechology and Electrical Measurements.

From 5/10/2005 to 31/08/2007 Associate Head of the Sector of Electrotechology and Electrical Measurements.

From 01/07/2007 to 31/08/2008 Head of the Sector of Electrotechology and Electrical Measurements.

From 01/09/2008 to 31/08/2009 Head of the Sector of Electrotechology and Electrical Measurements.

From 01/09/2009 to 31/08/2010 Head of the Sector of Electrotechnology and Electrical Measurements.

From 01/09/2010 to 31/08/2011 Head of the Sector of Electrotechnology and Electrical Measurements.

From 01/09/2007 to 31/08/2010 representative of the Electrical Engineering Department in the research committee.

From 14/05/2009 Institutional Supervisor of the project EPDBMBE (Entrepreneurship Innovation Unit)

From 01/09/2010 to 31/08/2013 representative of the Electrical Engineering Department in the research committee.

From 1/1/2007 to 31/12/2008 President of the School Board of the Ecclesiastical Senior High School appointed by the Prefectural Administration of Drama-Kavala-Xanthi.

From 1-9/2011 to 31/8/2013 Chief of the Department of Electrical Engineering, Kavala Institute of Technology.

## **X. SCIENTIFIC SOCIETIES - SPECIAL SEMINARS**

### **1. Scientific Associations – Committees**

Member of the Economic Chamber of Greece, Certified Professional Economist (0292/014773 / 29/12/1992).

Certified Accountant Tax Consultant A Class (0026339/4/4/2002).

Representative of the Kavala Institute of Technology in the 16th Educational Exhibition of Cyprus.

### **2. Seminars**

I attended a seminar of 270 hours in ELKEPA (PRODUCTION ORGANIZATION).

I attended a seminar of 30 hours in ELKEPA (Update and specialization of company executives in Information and Documentation Issues).

I attended a seminar on security issues, hygiene and safety in the workplace (EL.IN.Y.A.E.)

Attended the 14th National Congress of the Greek Society of Operational Research entitled: OPERATIONAL RESEARCH SERVING REGIONAL DEVELOPMENT.

In Democritus University of Thrace D.P.TH I attended the International Scientific Conference co-organized by the Kavala Institute of Technology and the Thessaloniki Institute of Technology on INNOVATION, ENTREPRENEURSHIP AND COMPETITIVENESS IN THE COUNTRIES OF BALKANS AND THE BLACK SEA.

I attended the seminar organized by the Regional Department of Eastern Macedonia of PanHellenic Union of Mechanical and Electrical Engineers entitled: SUBSTATIONS - INSTALLATION OF MIDDLE AND LOW VOLTAGE (ELOT REGULATION HD-384).

Submission of an ARCHIMEDES III proposal entitled "Research of critical factors and suggestions for sustainable and competitive industry in the region of Eastern Macedonia and Thrace".

Participation in the National Congress of Management and Economy (ESDO 2010).

Participation in the International Congress of Econophysics (ICE) in 2011.

## **XI. RESEARCH EXPERIENCE**

### **A. PhD THESIS**

THE CONTRIBUTION OF THE TRANSPORT INFRASTRUCTURE IN THE DEVELOPMENT. DEPARTMENT OF CIVIL ENGINEERING, DEMOCRITUS UNIVERSITY OF THRACE, Xanthi, 2006.

### **B. MANUSCRIPTS IN INTERNATIONAL SCIENTIFIC JOURNALS**

1. D. V. BANDEKAS, D. POGARIDIS, and P. ANTONIADIS, ‘Multimachine Power System Control with Algebraic Output Feedback Method’ *Int. J. Acta Technica CSAV*, Vol. 46, pp. 213-226, 2001.
2. S. Roulis, J. Iliadis, P. Antoniadis, Th. Panajotidis, M. Triantafilidis “Beitrag Zur Optimierung Des Systems Herstellu-Ng Und Anwendung Variantenreicher Industrieerzeugni-SSE.” *Elektrie 57 Jahrgang/Heft 1-12* pp147, 2004.
3. D. V. BANDEKAS, G. TSIRIGOTIS, P. ANTONIADIS, N. VORDOS, ‘A Robust Controller design for a Multimachine Power System’, *Elektronika ir Electrotechnika (Electronics and Electrical Engineering)*, Vol. 1(65), pp. 20 – 24, 2006.
  - i. *GERMANE XAVIER ATHANASIUS*, ‘Robust Decentralised Output Feedback Control of Interconnected Grid System’, *Ph.D Thesis, School of Information Technology and Electrical Engineering, The University of New South Wales at The Australian Defence Force Academy, 2008.*
4. E. STATHAKIS, D. BANDEKAS, A. KARASAVVOGLOU, P ANTONIADIS, M. NIKOLAIDIS, P. ARSENOS, ‘Investment choices, Manufacturing strategies and competitiveness of the manufacturing enterprises: An empirical research in the region of Thrace’, *International Research Journal of Finance and Economics*, Issue 16, pp. 143-161, 2008.
5. K. KARAKOULIDIS, K. MAVRIDIS, D. V. BANDEKAS, P. ADONIADIS, C. POTOLIAS and N. VORDOS, ‘Techno-economic analysis of a stand alone hybrid photovoltaic-diesel-battery- fuel cell power system, *Renewable Energy*, Vol.36, Issue 8, pp. 2238-2244, 2011.
  - ii. *SANTOSH SHRESTHA*, ‘Photovoltaics literature survey (no. 86)’, *Literature Survey, Progress in Photovoltaics: Research and Applications*, Vol.19, pp.501-504, 2011.

- iii. **W.C. TING, W.B. WAN NIK, K.B. SAMO**, ‘*Perspective of Photovoltaic in Aquaculture Application*’, *UMTAS 2011, International Conference on Engineering Science, Empowering Science, Technology and Innovation Towards a Better Tomorrow, 11-13 July 2011, Kuala Terengganu, Malaysia, EP8*, pp.164-168.
  - iv. **ROHIT SEN**, ‘*Off-Grid Electricity Generation with Renewable Energy Technologies in India; An application of HOMER*’, *MSc. Thesis, Renewable Energy & Environmental Modelling, University of Dundee, 2011*.
  - v. **M. MOHAMMADI A, S.H. HOSSEINIAN B, G.B. GHAREHPETIAN**, ‘*GA-based optimal sizing of microgrid and DG units under pool and hybrid electricity markets*’, *Electrical Power and Energy Systems, Vol.35, Issue 1*, pp. 83-92, 2012.
  - vi. **ROZLAN, M.B.M., ZOBAA, A.F., ABDEL ALEEM, S.H.E.**, ‘*The optimisation of stand-alone hybrid renewable energy systems using HOMER*’, *International Review of Electrical Engineering, Vol.6, Issue 4*, pp. 1802-1810, 2011.
  - vii. **HE WEI YIN**, ‘*Performance Analysis of Hybrid Renewable Energy System Integrate with Solar Photovoltaics*’, *MSc. Thesis, Department of Air- conditioning and Refrigeration Engineering, National Taipei University of Technology, 2011*.
  - viii. **JEREMY RUDSTON**, ‘*Techno-Economic Analysis of Sustainable Energy Systems for Meeting the Energy Demand of a Greenhouse in South Australia*’, *MSc (Energy and Resources), UCL School of Energy and Resources, Australia, 2012*.
  - ix. **J. C. MOURMOURIS, C. POTOLIAS, AND J. G. FANTIDIS**, ‘*Evaluation of Renewable Energy Sources Exploitation at Remote Regions, using Computing Model and Multi-Criteria Analysis: A Case-Study in Samothrace, Greece*’, *International Journal of Renewable Energy Research, Vol.2, No.2*, pp. 307-316, 2012.
6. **J.G. FANTIDIS, P.ANTONIADIS, C. POTOLIAS, D.V. BANDEKAS, N. VORDOS**, ‘**Financial and economic crisis creates new data on the electricity for remote consumers: Case study Greece, International Journal of Advances in Engineering Science and Technology (IJAEST), Vol. 1, No. 1, pp. 49-61, 2011.**
  7. **P. Curtis, M. HANIAS, P. ANTONIADIS**, “**Balanced Scorecard as a strange attractor tool contributing to the improvement of transformation process and ultimately to the competitive advantage of an Organization**”, *Journal of Engineering Science and Technology Review 4 (3) (2011) 271 – 276*, Special Issue on Econophysics.
  8. **E. STATHAKIS, D. V. BANDEKAS, P. ANTONIADIS, P. ARSENOS, N. VORDOS**, ‘**An Empirical Estimation of the Contribution of Energy Saving Systems (ESS) Toward Cost Reduction and Efficiency: Productivity Improvement In Thracian SME’S**’, *International Research Journal of Finance and Economics, Issue 81*, pp. 89-97, 2011.

9. **P. ADONIADIS, N. VORDOS, D. V. BANDEKAS, A. IOANNOU, ‘Improvement of power factor. Technoeconomical application in a Case Study at the industrial area of Kavala’, Elektronika ir Electrotechnika (Electronics and Electrical Engineering), No.2 (118), pp.38-42, 2012.**
10. **M.HANIAS, T.STATHAKIS, P.ANTONIADIS, L.MAGAFAS AND D.BANDEKAS, “A study of the Regional Growth Domestic Product of East Macedonia Thrace by using a Neural Network Model.”, International Journal of Productivity Management and Assessment Technologies (IJPMAT) (Accepted)**
11. **J. G. FANTIDIS, D. V. BANDEKAS, C. POTOLIAS, N. VORDOS AND P. A. ANTONIADIS, ‘Study of a Wind–PV–Battery hybrid system at Plaka in Greece’, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (Under Review).**
12. **P.A. ANTONIADIS "The Contribution of Transport Infrastructure to the Financial Growth in Greece (An Empirical Techno-Economic Approach)" (Under Review).**