CURRICULUM VITAE
Dr. Demetrios V. Bandekas
Electrical Engineer

I. Personal Information

Place of Birth	Velestino, Magnesia, Greece
Home Address Tel.	Nea Peramos, 64007, Kavala, Greece +30 25940 29113
Office Address Tel.& Fax	Kavala Institute of Technology, Department of Electrical Engineering, Ag. Loukas, 65404 Kavala, Greece +30 2510 462132

II. Education

2.1. Dipl. in Electrical Engineering, Democritus University of Thrace, Department of Electrical & IT Engineering,1990.

2.2. PhD, Democritus University of Thrace, Department of Electrical & IT Engineering, 1994.

III. Teaching Experience

Seventeen (17) academic years teaching as follows:

September 1995 – June 1996, and *September 1996 – June 1997*:
As an Assistant Professor (with annual contract) taught the module ‘’Electrical Machines’’, Department of Mechanical Engineering, Kavala Institute of Technology .

November 1995 – January 1996:
The applicant covered modules of 200 hours at the K.E.K. Institute ‘Protagoras’, on seminars with ’’ Manpower Employment Organization’’, for the company VALVE A.E., Xanthi, Greece.

October 1996 – June 1997:
As a Lecturer (PD. 407/80), taught the modules below:

- Automatic Control of Energy Systems II’ during the 9th semester of the academic year,

- ‘Electric Drives Systems’ during the 8th semester of the academic year, Department of Electrical and IT Engineering of the D.U.T.

September 1997 – February 1998:
As an Assistant Professor (with annual contract) taught the modules:
- Applied Electrolotechnics I,
- Applied Electrotechnics II,
- Materials Science
- Electric Measurements

At the Department of Electrical Engineering of Kavala Institute of Technology

March 1998 – January 2002:
As permanent Assistant Professor of the Electrical Engineering Department, Kavala Institute of Technology taught the modules:
- Electric Measurements,
- Electric Machines for Mechanical Engineers,
- Modelling – Simulation and Automatic Control of the Electric Machines and Electric Power Systems.

September 2004 – February 2005
As a Lecturer (PD. 407/80), taught the module below:
- Intelligent Manufacturing Systems

during the 9th semester of the academic year, Department of Production and Management Engineering of the D.U.T.

February 2002 – August 31/8/06:
As permanent Associate Professor of the Electrical Engineering Department, Kavala Institute of Technology taught the modules:
- Measurements of Electrical and non Electrical Systems,
- Modelling – Simulation and Automatic Control of the Electric Machines and Electric Power Systems.
- Electric Machines for Mechanical Engineers

September 2006 – currently occupied:
As full Professor of the Electrical Engineering Department,
Kavala Institute of Technology taught the modules:
- Measurements of Electrical and non Electrical Systems,
- Modelling – Simulation and Automatic Control of the Electric Machines and Electric Power Systems.
- Electric Machines for Mechanical Engineers

IV. Research interests - Research Activity

Research interests

His research interests focus on the following fields:
a) Measurement Systems
b) Modeling and Simulation of Energy Systems

c) Power Systems
d) Electrical Machines
e) Automation of Energy Systems
f) Renewable Energy
g) Power Electronics
h) Materials Characterization (http://ciss.teikav.edu.gr/CVs/dbandekas.html)

Research Activity

1. 'Investigation of the use of the system of phase coordinates on simulations network with Multimachine Power systems for the study of non – symmetrical faults ', The Research Committee Δ.Π.Θ., 1990, duration- 5 months.

2. 'Research-Study for the improvement of the power factor of the industries of Municipality of Rodopi, Thrace, Greece in order to achieve lower operational and energy cost', Municipality of Eastern Macedonia & Thrace,Greece,1993, duration 6 months.

3. 'Evaluation-Improvement of the academic schedule of the Departments of Electrical Engineering, Kavala Institute of Technology & TEI Heraclion Crete', ΕΠΕΑΕΚ, Subprogram 3, Act 3.1.α, 1998-2000, duration 2,5 years.

4. 'Development of a practical manual for European machine guidelines and labor Guidelines', Socrates CDI project, 2000-2002, Inter-univercity Research Programme of the European Union, 28027-IC-1-2000-1 BE- ERASMUS- DISS- 1 CDI SOCRATES PROJECT.

5. 'Modelling and Control of electric machines connected to the system of the Production line of the electric power system', ARCHIMEDES II, EPEAEK. 1/1/2005 – 30/6/2007

6. "Remodelling of the Undergraduate Program Studies of the TEI of Kavala", Scientific Responsible Person : F. Sotiropoulos. 1/4/2003 - 31/8/2008.

7. ''Hybrid Technologies Separation'', INTEREG III, 1/10/2004 – 31/7/2007.

8. ''Replace Electrical System Multiple rocket launcher of the Army System RM 70'', Hellenic Army General Staff, 1/12/2010 – 31/10/2011.

9. "Optimization of the sensitivity of the optical sensor of the type Al / a-SiC: H/c-Si (n) by thermal annealing", ΕΛΚΕ Kavala Institute of Technology, 12/12/2006 – 30/3/2009.

10. "Optimization of power factor in the operational area of Kavala, preparation and evaluation of project management", Special Account of Funds and Research of Kavala Institute of Technology, 1/7/2007 – 30/6/2009.

11. '' 'Structure of Employment and Career of Kavala Institute of Technology'', OPLL, 1/9/2010 – 31/8/2013.

12. ‘’ 'Quality Assurance Unit of Kavala Institute of Technology’’, OPLL, 1/9/2010 – 31/8/2013.

13. ‘’IKavTech (Kavala’s Institute of Technology Infrastracture): Supply of new or upgraded laboratory and technology. Equipment and software of Kavala Institute of Technology’’, NSRF(National Strategic Reference Framework) Eastern Macedonia and Thrace Region, 1/1/2011 – 31/12/2011.

14. ‘’ "Monitoring system of abiotic and biotic factors affect changes in forest and Agricultural land’’, ‘’COOPERATION Program’’, (GSRT – General Secretariat for Research and Technology), 1/9/2010 – 28/2/2013.

15. ‘’JESTR’’, Upgrading of the scientific journal of Kavala Institute of Technology’’’’, Digital Convergence, 18/4/2011 – 31/7/2012.

16. ‘’Career Services Office of Kavala Institute of Technology’’, ΕΠΔΒΜ, 1/9/2010 – 31/8/2013.

V. Supervision of dissertations – member of the examination board.

1998 – Currently

A) Supervisor for the completion of a great number of dissertations.

B) Member of the Examination Board, responsible for the assessment of a large number of projects and dissertations.

VI. Responsible for Undergraduate Studies Programs & for the Electro Technology Lab.

1. Main proposal designer of the new undergraduate curriculum of the Department of Electrical Engineering, which was designed and implemented the academic year 2003/2004.

2. Main proposal designer of the new undergraduate curriculum of the Department of Electrical Engineering, which was designed and implemented the academic year 2009/2010.

3. Designer of the new MSc program of the Department of Electrical Engineering titled "Innovation in Technology and Entrepreneurship".

4.Responsible of the Electro technology and Measurement Systems Lab of the Department of Electrical Engineering of Kavala Institute of Technology, contributed to the update and improvement of the lab equipments and of the organisation of the particular lab and of the modules below:

- Electrical Measurement Systems
- Modelling- Simulation and Automatic Control of the Electric Machines.

- Electrical Circuits I and II
- Electrical Machines I and II
- Power Systems I and II
- Renewable Energy Sources

In the framework of “ETEIK program: Supply new or upgrade old laboratory and technological equipment and software of the TEI of Kavala", amounting to 9,960,000.00 Euro, contributed to the recording of contemporary standards specifications of research and laboratory equipment for the above laboratories.

VII. Work Experience.

Since 16/5/90, he worked as self employed with specialisation in Energy Systems and installations, in the Town of Xanthi, Thrace, Greece. Some of the businesses he worked for are:

1. G. Papaioannou & SIA
2. Modern Communications EPE
3. B. Tasios & Sons
4. Business Logic

August 1993 – December 1994:

He worked out several Electromechanical Installations in Greek Army with specialization:
a) Power systems and
b) IT programmer.

VIII. Managerial Occupations.

12 years of Administrative experience as follows:

1/9/1998 – 31/8/1999
Head of Faculty of Electrotechnics & Electric Measurements,
Department of Electrical Engineering, Kavala Institute of Technology, Greece.

1/10/1999 – 31/8/2004

- Head of Department of Electrical Engineering of Kavala Institute of Technology.
- Member of General Assembly of TEI of Kavala
- Member of the Board of the School of Applied Technology of Kavala Institute of Technology.
- Member of the Board of the Department of Electrical Engineering of Kavala Institute of Technology.
- Head of the Assessment Board of the Scientific and Laboratorial Human Capital for the Department of Electrical Engineering, Kavala Institute of Technology.
- Head of the Assessment Board of the Academic notes and books of the Department of Electrical Engineering, Kavala Institute of Technology.

1/9/2004 – 31/8/2005
- Head of Faculty of Electrotechnics & Electric Measurements, Department of Electrical Engineering, Kavala Institute of Technology, Greece.

1/9/2004 – 31/8/2007:
- Member of the Research Board of Kavala Institute of Technology.

1/9/2007 – 31/8/2008
- Head of Department of Electrical Engineering of Kavala Institute of Technology.

1/9/2008 – currently
- Vice-president of Academic Affairs of the TEI of Kavala
- Chairman of the Institute of Lifelong Learning
- Chairman of the Committee on Academic Conduct
- Chairman of the Quality Assurance Unit
- Chairman of Technical Council
- Chairman of the Employment and Career Structure of the TEI of Kavala
- Chairman of the Rules Committee regarding the Operation of Postgraduate Studies of the Technological Educational Institute of Kavala
- Chairman of the Internal Rules Committee of the TEI of Kavala

IX. Editorial Board-Reviewer - Scholarships- Societies – Special Seminars - Presentations

1. Editorial Board – Reviewer

- Editor-in-Chief of the ‘’Journal of Engineering Science and Technology Review’’
- Member of the Editorial Board of the ‘’ ’ARPN Journal of Engineering and Applied Sciences’’
- Reviewer in scientific journal ‘’Solar Energy (Elsevier)’’
- Reviewer in scientific journal ‘’Energy (Elsevier)’’
- Reviewer in scientific journal ‘’ International Journal of Electrical Power and Energy Systems (Elsevier)’’
- Reviewer in scientific journal ‘’ International Journal of Energy Research (Wiley)’’
- Reviewer in scientific journal ‘’ International Journal of Green Energy (Taylor & Francis)’’

2. Scholarships

-1990 – 1993: Scholar of Energy Systems Faculty of the Department of Electrical Engineering & IT Engineering, of Democritus University of Thrace, Greece.

- October 1991 – September 1992:
Scholar of ERASMUS Program

3. Societies

- Member of the Assessment Board for the Monitoring of the Industrial Program for the Municipalities of East Greece,P.E.P. 2000 – 2006.

- Member of the Monitoring Board of the program ‘ Information Society’, for the Municipalities of East Greece.
- Member of the Technical Chamber of Greece
- Member of the Hellenic Electrical Engineering Society
- Member of the “Who’s who in the World”.
- Member of the New York Academy of Sciences.

4. Lectures

- 12/5/2003: Meeting of the Newspaper EXPRESS
  Lecture with title: « Management of Energy Resources», Kavala

- 6/12/2003 Department of Mechanical & Industry Engineering, University of Thessalia, Volos, Greece.
  Lecture with title: «Modeling – Simulation and Automatic Control of Electric Machines»

- 25-27/11/05: Development Congress of Kavala
  Lecture with title: «Research and Innovation»

- 26/11/07: Department of Electrical Engineering of AGH University of Science and Technology, Krakow – Poland.
  Lecture with title: «Modeling and Simulation of Electrical Machines and Power Systems».

- 27/11/08: Department of Electrical Engineering of Riga Technical University, Riga – Latvia.
  Lecture with title: «Modeling and Simulation of Electrical Machines and Power Systems».

X. Publications & Research

A. Publications on Scientific Journals

1. D. P. PAPADOPOULOS, M. HAMED, H. YASIN, and **D.V.BANDEKAS**, ‘Application of the Sensitivity Concept to the Optimal Reactive Power Distribution in Power Systems’ Electric Power Systems Research, Vol. 22, pp. 105-112, 1991.

2. D. P. PAPADOPOULOS, M. HAMED, AND **D. V. BANDEKAS** ‘A Practical Concept for Evaluating the Insulation Level in Overhead Power Transmission Lines’, Journal of the Franklin Institute, Vol. 329, No. 2 , pp. 273-281, 1992.

3. **D. V. BANDEKAS** and D. P. PAPADOPOULOS, ‘Time Moment and Pade Approximation Methods Applied to the

Order Reduction of MIMO Linear Systems', Journal of the Franklin Institute, Vol. 329, No. 3, pp. 521-538, 1992.

4. D. P. PAPADOPOULOS, **D. V. BANDEKAS** and J.R. SMITH, 'Control-Canonical-Form- Method Applied to Generating Systems to Improve Dynamic Stability Characteristics', Archiv fur Electrotechnik, Vol. 75, pp. 215-222, 1992.

5. D. P. PAPADOPOULOS, D**. V. BANDEKAS** and J. R. SMITH, 'Design of Robust Excitation Controllers for Synchronous Generators Using the Spectral and Control-Canonical-form Methods with Output Feedback', Journal of the Franklin Institute, Vol. 330, No. 2, pp. 383-400, 1993.

6. D. P. PAPADOPOULOS, and **D. V. BANDEKAS**, 'Rough Approximation Method Applied to Order Reduction of Linear MIMO systems', Int. Journal Systems Science, Vol. 24, No. 1, pp. 203-210, 1993.

7. D. P .PAPADOPOULOS, **D. V. BANDEKAS** and J. R. SMITH, 'Robust Excitation Controller Desing for Synchronous Generators Using Output-Feedback', European Transaction on Electrical Power Engineering (ETEP), Vol. 3, No. 6, pp. 443-451, 1993.

8. **D. V. BANDEKAS,** D. P. PAPADOPOULOS and J. R. SMITH, 'Adaptive Excitation Controller Desing for a Turbogenerator in a Multimachine Power System', Archiv fur Elektrotechnik, Vol. 77, pp. 375-381, 1994.

9. D. P. PAPADOPOULOS, **D. V. BANDEKAS** and J. R. SMITH, 'Enhancement of Synchronous Generator Dynamic Stability Characteristics with Output Feedback', Int. J.Acta Technica CSAV, Vol. 40, pp. 103-117, 1995.

10. **D. V. BANDEKAS**, 'Robust Excitation Control Method Applied to a Gas – Turbine Synchronous Generator in a Multimachine Power System', Int. J. Acta Technica CSAV, Vol. 44, pp. 421-433, 1999.

11. **D. V. BANDEKAS**, 'Spectral Control Method Applied to a Hydro Generator in a Multimachine Power System', Elektrie Int. Journal, Vol. 53, No.5-6, pp. 164-169, 1999.

12. **D. V. BANDEKAS**, 'Output – Feedback Controller Design in a Multimachine Power System', Elektrie Int. Journal, Vol. 54, No. 5-6, pp. 170-176, 2000.

13. **D. V. BANDEKAS** and H. HOUSMEKERIDIS**,** 'Optimal - Output Feedback Control for Synchronous Generator via Order - Reduction Method', Elektrie Int. Journal, Vol. 54, No. 7-9, pp. 267-277, 2000.

14. **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.

15. N. ATHANASIADIS and **D. V. BANDEKAS**, 'An Innovative solution for AC Drive Operation during Voltage Sags Using a Custom Power Device', Electrical Engineering (Archiv fur Elektrotechnik), Vol. 84, No. 3, pp. 137-142, 2002.

16. **D. V. BANDEKAS** and N. ATHANASIADIS, 'Modeling and Simulation Method Applied in a Multimachine Power System', Elektrie Int. Journal, Vol. 56, No. 5-8, pp. 185-189, 2002.

17. N. ATHANASIADIS and **D. V. BANDEKAS**, 'Modeling and Validation of a New Technique for the Dynamic Response of AC/DC Power Systems', Elektrie Int. Journal, Vol. 56, No. 5-8, pp. 190-195, 2002.

18. G. TSIRIGOTIS, **D. BANDEKAS**, D. POGARIDIS, J. L. LAZARO, 'Comparative Control of a Nonlinear First Order Velocity System by a Neural Network NARMA-L2 Method', Elektronika ir Electrotechnika (Electronics and Electrical Engineering), Vol. 6(55), pp. 5 –8, 2004.

19. G. TSIRIGOTIS, **D. BANDEKAS**, D. POGARIDIS, J. L. LAZARO, 'The Anticipatory Aspect in Neural Network Control ',Elektronika ir Electrotechnika (Electronics and Electrical Engineering), Vol. 2(58), pp. 10 – 13, 2005.

20. **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.

21. L. MAGAFAS, J. KALOMIROS, **D. BANDEKAS** and G. TSIRIGOTIS, 'Optimization of the Electrical Properties of Al/a-SiC:H Schottky Diodes by Means of Thermal Annealing of a-SiC:H thin Films', Microelectronics Journal, (Elsevier) Vol. 37, pp. 1352 – 1357, 2006.

22. L. MAGAFAS, **D. BANDEKAS**, A.K. BOGLOU and A.N. ANAGNOSTOPOULOS, 'Electrical properties of annealed a-SiC:H thin films', Journal of Non-Crystalline Solids, Vol. 353, Issues 11-12, pp. 1065-1069, 2007.

23. L. MAGAFAS, C. MERTZANIDIS, **D. BANDEKAS,** N. ATHANASIADIS, 'Thermal annealing effects on the optical and electrical properties of a-SiC: thin Films sputtered at different hydrogen flow rates', Journal of Optoelectronics and Advanced Materials, Vol. 9, No. 7, pp. 2030-2035, 2007.

24. D. BANDEKAS, N. VORDOS, K. TARCHANIDIS, L. MAGAFAS, G. TSIRIGOTIS, '' Optimum Selection Based on the Energy Capacity Between Different Types of Renewable Sources Using a Controller, J. Electronics and Electrical Engineering, Vol. 8(80), pp. 9 – 12, 2007.

25. 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.

26. E. STATHAKIS, and **D. BANDEKAS**, ''an Empirical Research on the Topic of the Draw up and Publish Divisional Financial Reports (DFR's) by not Listed Thracian Manufacturing Firms (TMF's)'', International Research Journal of Finance and Economics, Issue 23, pp. 171-184, 2009.

27. J. G. FANTIDIS, K. POTOLIAS, **D. V. BANDEKAS** and N. VORDOS, '' Non destructive testing of medium and high voltage cables with a Transportable radiography system'', Journal of Engineering Science and Technology Review, Vol. 3(1), pp. 89-94, 2010.

28. C. POTOLIAS, E. STATHAKIS, **D. V. BANDEKAS** and N. VORDOS, '' An Evaluation of the Factors Influence the Electric Power Production from Biomass in the Certain Area of Kavala Greece'', ARPN Journal of Engineering and Applied Sciences, Vol. 5, No. 10, pp. 65-73, 2010.

29. 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.

30. A. K. BOGLOU, D**. V. BANDEKAS**, D. I. PAPPAS, and C. POTOLIAS, '' Optimal excitation controller design for wind turbine generator using H^{∞} Control technique'', Journal of Engineering Science and Technology Review, Vol. 4(1), pp. 43-49, 2011.

31. J. G. FANTIDIS, C. POTOLIAS, and D**. V. BANDEKAS**, ''Wind Turbine Blade Nondestructive Testing with a Transportable Radiography System'', Science and Technology of Nuclear Installations'', Vol. 2011, Article ID 347320, 6 pages, 2011.

32. D. P. PAPADOPOULOS, M. HAMED, and **D. V. BANDEKAS,** ''Corrigendum to "A practical concept for evaluating the insulation level in overhead power transmission lines" [Frank. Inst. 329 (1992) 273–281], Journal of the Franklin Institute, (Elsevier), Vol. 348, No. 8 , pp. 2235, 2011.

33. J.G. FANTIDIS, C. POTOLIAS, N. VORDOS, and **D.V. BANDEKAS**, ''Optimization study of a transportable neutron radiography system based on a ^{252}cf neutron source'', Moldavian Journal of the Physical Sciences, Vol. 10, No.1, pp. 121-131, 2011.

34. J. G. FANTIDIS, G. E. NICOLAOU, C.POTOLIAS, N.VORDOS, **D. V.BANDEKAS,** '' the comparison of four neutron sources for Prompt Gamma Neutron Activation Analysis (PGNAA) in vivo detections of boron'',

Journal of Radio analytical and Chemistry, Vol. 290, No. 2, pp. 289-295, 2011.

35. 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.

36. 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.

37. J.G.FANTIDIS, **D.V.BANDEKAS,** C.POTOLIAS, N.VORDOS, ‘’ The Effect Of The Financial Crisis On Electricity Cost For Remote Consumers: Case Study Samothrace (Greece)’’, International Journal of Renewable Energy Research, IJRER, Vol.1, No.4, pp.281-289, 2011.

38. 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.

39. J.G. FANTIDIS, **D.V. BANDEKAS**, C. POTOLIAS, N. VORDOS, K. KARAKOULIDIS, ‘’ Financial analysis of solar water heating systems during the depression: Case study of Greece’’, Inzinerine Ekonomika -Engineering Economics, Vol.23, No.1, pp.33-40, 2012.

40. 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)

41. J. G. FANTIDIS, **D. V. BANDEKAS**, C. POTOLIAS, AND N. VORDOS, ‘’ Cost of PV Electricity – Case study of Greece’’, Solar Energy (Elsevier), (Under Review)

42. 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)

B. Conferences

1. D. P. PAPADOPOULOS, **D. V. BANDEKAS** and J. R. SMITH, ‘Excitation Controller Design of a Synchronous Generator Using Output Feedback’, International Aegean Conference on Electrical Machines and Power Electronics, ACEMP’92, Kusadasi, Turkey,Vol. 1/2, pp. 556-561, 1992.

2. D. P. PAPADOPOULOS, D**. V. BANDEKAS** and J. R. SMITH, 'Excitation Controller Desing of a Synchronous Generator Using the Spectral and Control-Canonical-Form Methods', International Conference on Electrical Machines, UMIST, Manchester, U.K. , pp. 888-892, 1992.

3. **D. V. BANDEKAS, D**. P. PAPADOPOULOS, and J. R. SMITH, 'Adaptive Excitation Controller Design for Turbogenerator in Multimachine Power Systems', Seventh International Conference on Electrical Machines and Drives, ELMA'93, Varna , BULGARIA, October 7-9, pp.77-84,1993.

4. N. ATHANASIADIS, **D. V. BANDEKAS,** L. MAGAFAS and E. ATHANASIADIS, 'Modeling and Application of Facts Devices at the Interconnected South East Europian Region', Sixth IASTED International Conference, European Power and Energy Systems, Rhodes, GREECE, June 26-28, pp. 57- 62, 2006.

5. L. MAGAFAS, J. KALOMIROS, **D. V. BANDEKAS**, 'Optimization of the Electrical Properties of Al/a-SiC:H Schottky Diodes by means of Thermal Annealing of a-SiC:H thin Films', 11th Hellenic Physics Conference, Larisa, Greece, 2006.

6. A. K. BOGLOU, **D. V. BANDEKAS** and C. POTOLIAS, ''Excitation Controller Design for Wind Turbine Generator Using Control'', 9th WSEAS International Conference on Automation and Information (ICAI'08), Bucharest, Romania, June 24-26, pp. 494-498, 2008.

7. A K. BOGLOU, **D. V. BANDEKAS** and D. I. PAPPAS, ''Sampled - Data Optimal Output – Feedback H∞ -Control for Designing Excitation Controllers of a Turbo generator – System'', Proceedings of the 15th WSEAS International Conference on Systems (Part of the 15th WSEAS CSCC Multiconference), Corfu Island, Greece July 14-16, pp. 166-171, 2011.

C. PHD Thesis

1. 'Dynamic behavior analysis of multimachine electromechanical system with phase coordinates (a b c)', Democritus University of Thrace, Department of Electrical & IT Engineering, 1994.

D. Books - Lecture Notes

1. Prepared lecture notes for the students of the 4th semester of the Academic Year of the Department of Electrical Engineering, Kavala Institute of Technology, Topic: 'Modelling – Simulation and Automatic Control of the Electric Machines and Electric Power Systems' total number of pages 117.

2. Edited Book: "Principles of Measurement Systems- Basic Elements", J.P. Bentley, Pearson Prentice Hall, 2004''.