

CURRICULUM VITAE

PERSONAL DATA

Name : Aphrodite Papadopoulou
Date of birth : September 29th, 1964
Place of birth : Islington, UK
Family status : Married with child
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EDUCATION

Studies :

1993 University of Illinois at Urbana - Champaign, U.S.A.
PhD in Chemical Engineering. GPA: 5.0/5.0.
1991 University of Illinois at Urbana - Champaign, U.S.A.
M.Sc. in Chemical Engineering. GPA: 5.0/5.0.
1988 Aristotle University of Thessaloniki
Diploma in Chemical Engineering. GPA: 9.0/10.0.

Seminars:

1993 "Consulting for European Development (Euroconsultants).",
Organized by : Hellenic Productivity Center, Thessaloniki

PROFESSIONAL EXPERIENCE

Employment:

2006-present Specialized Laboratory and Teaching Staff II, Transport Phenomena and Applied Thermodynamics Lab., Department of Environmental Engineering, Technical University of Crete.
2005-2006 Part-time employment in the Liaison Office, Technical University of Crete.
2005 Teaching of undergraduate courses for the Department of Environmental Engineering, Technical University of Crete.
2001-2004 Part-time employment (teleworking) for the companies SPEED SA και SIGMA Consultants Ltd.: Translation of technical reports and manuals, drafting and editing reports to the European Commission.

- 1993-2001 SIGMA Consultants Ltd.: Studies in the field of energy and the environment, benchmarking of innovative technologies for industrial enterprises, consulting for international collaboration projects and programmes.
Responsible for the international relations of the company (1995-2001): Partnership organization for EC programmes (such as. Altener, Save, Life, Ecos-Ouverture, Pacte etc.). Proposal drafting and project execution management.
Responsible for the Administration and Financial management of the company (1997-2001): Company administration, Project progress monitoring, Financial status monitoring, etc.
- 1988-93 University of Illinois at Urbana - Champaign. Graduate research assistant (1988-93) and Teaching assistant (1989-1992).
- 1987-88 Chemical Process Engineering Research Institute, Thessaloniki.
Assistant Researcher.

Studies experience:

- 2002 "Penetrating the small-size combined heat and power market using alternative financial mechanisms" (drafting and editing reports). Programme SAVE II, EC.
- 2002 "Manual for Energy Conservation in Public Buildings of Western Macedonia" (technical translation to English). SPEED SA
- 2002 "Environmental Impact Assessment of multiple scenarios for hazardous waste management in Cyprus" (technical translation to English). SPEED SA.
- 2000-1 "Creation of educational material using multimedia on innovative technologies and management systems in the areas of environment, energy and safety" (member of the working group). Research Committee of Aristotle University of Thessaloniki.
- 2000 "Regional Energy Planning for the Central Macedonia Region". ANATOLIKI SA.
- 1999 "Internal land planning for the C Phase of the Industrial Zone of Thessaloniki" (member of the working group). Research Committee of Aristotle University of Thessaloniki.
- 1999 "Development and application of HACCP system to the food industry N. Onassis SA" (member of the working group). Programme RETEX.
- 1999-01 "PRACTIMA: promoting rural actors in cultural tourism with international management aspects" (Consulting services for project management). Programme ECOS-OUVERTURE.
- 1998-00 "Promotion of biomass-to-energy technologies into the Central Macedonia market" (member of the working group). Programme THERMIE B.
- 1997-99 "Elaboration of emergency response plans against large scale technological accidents in the area of Thessaloniki" (member of the working group). Prefecture of Thessaloniki.
- 1997-99 "Concerted Third Party Financing activities for the utilization of renewable energy sources (res) in the less favoured European Regions" (member of the working group). Programme ALTENER.
- 1997-99 "Development, demonstration and promotion of Industrial Symbiosis in organized Industrial Areas" (member of the working group). Programme LIFE.

- 1997-99 “Concerted pilot actions towards the establishment of a national Monitoring Targeting scheme in the industrials sectors” (member of the working group). Programme SAVE.
- 1997 “Feasibility study for the development of telematic (teleworking) applications in the Region Of Central Macedonia” (member of the working group). Programme IRIS.
- 1996-97 “Technical advisor for the project "Pacte: Renewable Energy Sources – Biomass” (μέλος της ομάδας μελέτης). (member of the working group). Programme PACTE.
- 1996-97 “Elaboration of a plan for the Development, modernization and further expansion of the textile industry Studio Textil SA.” (member of the working group). Programme RETEX.
- 1996-97 “Development of a Third Party Financing (TPF) mechanism for the exploitation of Renewable Energy Sources (RES) in Greece” (member of the working group). Programme Altener.
- 1996 “Environmental Impact Assessment of the mooring facilities of ELDA in Thermaikos gulf” (member of the working group). ELDA SA.
- 1994-95 “Regional Energy Planning for the Prefecture of Pella” (member of the working group). Programme PERU
- 1994-95 “Study for the operational upgrade and the application of energy and water conservation measures in the company SALIGAR S.A (member of the working group). Programme RETEX.
- 1993-94 “Feasibility study for the district heating of the Municipalities of Kordelio, Stavroupolis, Menemeni, Evosmos and Ampelokipi (Thessaloniki Area)” (member of the working group). Programme PERU.
- 1993-94 “Study for the reorganization and modernization of the company Pella Froz S.A. ” (member of the working group). Programme MENTOR.

Research Experience:

- 1988-1993 Graduate Research Assistant.
Chemical Engineering Department, University of Illinois at Urbana – Champaign.
- 1987-1988 Research Assistant.
Chemical Process Engineering Research Institute, Thessaloniki.

Teaching Experience:

- 2005-2006 Teaching of the undergraduate courses “Environmental Thermodynamics” and “Heat and Mass Transfer”, Department of Environmental Engineering, Technical University of Crete, [position held in accordance to Presidential Decree 407/80]
- 1989-92 Graduate teaching assistant, τμήμα Χημικών Μηχανικών.
University of Illinois at Urbana - Champaign
Teaching assistantship for the following undergraduate and graduate courses:

- CHE466: Applied Mathematics for Chemical Engineers (graduate level).
- CHE468: Fluid properties (graduate level).
- CHE382: Prediction of Physical Properties (undergraduate level).
- CHE 212: Introduction to Chemical Engineering (undergraduate level).
- CHE 374: Unit Operations Lab (undergraduate level).
- CHE 390: Chemical Engineering Projects (undergraduate level).

Lectures in the frame of seminars for unemployed engineers:

- 1995 "Basic principles of Regional Energy Planning", (6 teaching hours), Technological Park of Thessaloniki.
- 1999 "Third Party Financing of energy savings investments in industry", (20 teaching hours), KEK EKEKA, Themi.

PUBLICATIONS:

In journals:

- Aphrodite Papadopoulou, Ezra D. Becker, Mark Lupkowski and Frank van Swol, "Molecular Dynamics and Monte Carlo simulations in the grand canonical ensemble. Local versus global control", J. of Chemical Physics, 98:4897-4908, 1993.
- Aphrodite Papadopoulou, Frank van Swol and Umberto Marini Bettolo Marconi, "Pore-end effects on adsorption hysteresis in cylindrical and slit-like pores", J. of Chemical Physics, 97:6942-6952, 1992.
- A. Lemonidou, A. Ph. Papadopoulou, I. A. Βασάλος, "Laboratory evaluation procedures of fluid cracking catalysts", Chimika Chronika, New Sereis, 20:139-158, 1991.

Presentations:

- A. Papadopoulou, "Renewable Energy Sources: Biomass", Workshop in the frame of PACTE project, Themi, 1997.
- A. Papadopoulou, M. Goumas, "Third Party Financing Mechanism Plan for the exploitation of Renewable Energy Sources in Greece", Altener Contractors meeting, DGXVII, Salzburg, 1996.
- P. Catsis, A. Papadopoulou, and E. Petrogona-Emmanouil, "Concerted actions to support investments exploiting Low-Enthalpy Geothermal energy", Energy Forum, Varna, 1996.
- A. Papadopoulou, "Regional Energy Planning of Serres Prefecture", Tran-Balkan conference for energy, Technical Chamber of Greece/TKM, Thessaloniki, 1995.
- A. Papadopoulou, "Teleheating of five Municipalities of Thessaloniki", Contractors meeting, DGXVII, Newcastle, 1994.
- A. Papadopoulou and F. van Swol, "Adsorption hysteresis in porous media", Materials Research Society, Fall meeting, Boston, 1991.

- I.A. Vasalos, A. Papadopoulou, A. Lemonidou, "Evaluation of catalysts for the catalytic cracking unit of ELDA", Workshop, E.I.E, Athens, 1987.

OTHER

Membership in professional associations:

1991-93 Materials Research Society, USA.
1989-93 American Institute of Chemical Engineers, USA
1988-present Technical Chamber of Greece
1993-Σήμερα Hellenic Association of Chemical Engineers

Fellowships, distinctions:

1989-91 Jordan Asketh Fellowship
1989 Outstand Teaching Assistant (students' evaluation)
1988-89 University of Illinois Fellowship

Foreign languages:

English (Proficiency in English, University of Cambridge, 1984), Dutch (elementary).

Computers:

Programming in: FORTRAN, POSTSCRIPT C.
Operating systems: Unix (Ultrix), VMS in mainframes και workstations, Microsoft Windows and Macintosh OS.X.
Software: Microsoft Office (Word, Excel, Access, PowerPoint), Microsoft Project, MacDraw, LaTeX, Corel Draw, Imovie, IDVD, Acrobat Professional, web page design.