

Loukas Karagiannakis

Lecturer

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EDUCATION AND TRAINING

1988 - 1993 Aristotle University of Thessaloniki

Department of Mechanical Engineering

1994 - 1995 Cranfield University England

Department of Mechanical Engineering

Master : Energy Conservation and the Environment

1997 National Technical University of Athens

“ Design and Pilot Implementation of Distance Education

Fields in CAD / CAM / CIM ”

1999 Vocational Education and Training

Training in the fields of Mechanical , Electrical , Electronics & Automation

PARTICIPATION IN SCIENTIFIC UNIONS

1994 - today TEEMember

1994 - today Member of Mechanical Engineers Union

TEACHING

1997 - 2004 TEI OF WEST MACEDONIA

Teaching of Heat transfer (theory and laboratory) , Renewable Energy (theory and laboratory) , Fluid Mechanics I & II (laboratory) , Hydrodynamic Machines (workshop)

1997 - 2000 IEK Kozani

Teaching of Machining Technology I & II , Engineering Drawing I & II

1997 - 2002 Practical Examiner in Part Certifications of IEK Kozani

Specialties in “ Numeric Control Machine Tool Technician and Lift Technician

1998 Speaker at seminars

organized by TEI of West Macedonia to

teachers with issues

Combined heat and power,

“Saving energy in transport

2012 - 2014 Speaker at seminars

organized by TEI of West Macedonia to

prospective energy auditor

2004 - today Lecturer in the department of Mechanical Engineering

TEI of West Macedonia

where I teach :

Heating Technology (theory)

Cooling and Air Conditioning Technology (theory)

Optimization of Energy Systems (theory)

Heat Transfer (lab)

Renewable Energy I and II (lab)

ADMINISTRATIVE ACTIVITY

2004 - 2006 Chairman of the Technical Council of TEI of West Macedonia

2006 - 2008 Vice President of Technical Council of TEI of West Macedonia

2004 – 2014 Engineer on projects of TEI of Western Macedonia

TEXTBOOKS

2004 Notes for lesson Optimization of Energy Systems

2008 Notes on Heat Transfer lab course

SCIENTIFIC PAPERS

1993 " Design and comparison of heat pumps systems

" Diploma thesis at the Department

Mechanical Engineering of Aristotle University of Thessaloniki

Part of diplomatic Work published in the Bulletin of the Hellenic Association

Graduate Mechanical / Electrical angle / angle , No. 278/95 Oct.

1995 " Energy study at houses in Aberstwyth (Wales) "

Project during the Master in

Cranfield England

1995 " Infrared Cooling , design and construction of an experimental model "

thesis at Cranfield England

1998 " Combined Heat and Power "

Paper presented at seminars organized by the

TEI of West Macedonia

RESEARCH PROGRAMS

2002 Participation in the research program " Renewable

energy in the prefecture of Kozani - Opportunities , Ways

exploitation and economic, social and environmental

feasibility of their exploitation "

2002 Participation in the research program " Survey

feasibility of an energy power plant

in the prefecture of Kozani "

PROFESSIONAL EXPERIENCE

1994 - today (Electromechanical Design,

Supervision and construction of both the Private and

Public Domain)

2000 - 2003 Contractor of Public Electromechanical Works

(Class A2)and Industrial - Energy (Class A1)