

## ***CURRICULUM VITAE***

NAME : TAOUSANIDIS NIKOLAOS  
FATHER NAME : IOANNIS  
ADDRESS : L.KOUVELI 8, 50100 KOZANI  
BIRTH DATE : 12 MAY 1960  
JOB ADDRESS : TEI OF WESTERN MACEDONIA  
MECHANICAL ENGINEERING & INDUSTRIAL DESIGN  
DPT, KIAA KOZANJ, GR - 50100 KOZANI  
TEL: +L02461068070 Fax: +302461039682  
email: taosan@teiw.m.gr

### STUDIS

-DIPLOMA MECHANICAL ENGINEER, NATIONAL TECHNICAL UNIVERSITY OF ATHENS (July 1983)  
-Master of Science "ENERGY CONSERVATION & ENVIRONMENT", CRANFIELD INSTITUTE OF TECHNOLOGY, SCHOOL OF MECHANICAL ENGINEERING, APPLIED ENERGY GROUP (June 1985)  
-DEGREE in BUSINESS ADMINISTRATION, SCHOOL of ECONOMICS, TEI of KOZANI (March 1989)  
-PhD, UNIVERSITATEA POLITEHNICA DIN BUCURESTI, FACULTATEA DE INGINERIE ELECTRICA (March 2008)

### EXPERIENCE in RESEARCH & OTHER PROJECTS

- ◆ From 1/4/87 until 31/12/2006 Scientific Director of Boilers Testing Laboratory
- ◆ From 1/7/89 until 31/12/93 and from 1/4/2001 until 31/12/2006 Scientific Director of Radiators-Heat Exchangers Testing Laboratory
- ◆ From 1/1/88 until 31/12/89 member of the research team of PAVE project "Development of production monitoring and control system"
- ◆ From 1/7/88 until 31/8/1988: Supervisor of numerous electro-mechanical projects in TEI of Kozani over 1.500.000.000 dr
- ◆ From Oct 1994 until Sept 1998: President of Technical Council of TEI Kozani
- ◆ From Sept 1997 until Dec 1999 Scientific coordinator of E.P.E.A.E.K. financed project «Practical Training of Mechanical Eng.-Electrical Eng. students in TEI Kozani»
- ◆ From Jan 2000 until Oct 2001 Institutional coordinator of E.P.E.A.E.K.II financed project « Practical Training of TEI of Western Macedonia students -1<sup>st</sup> stage»
- ◆ From Nov 2001 until Dec 2005 Institutional coordinator of E.P.E.A.E.K.II financed project « Practical Training of TEI of Western Macedonia students -2<sup>nd</sup> stage»
- ◆ From Aug 2005 until Sept 2008 Institutional coordinator of E.P.E.A.E.K.II financed project « Practical Training of TEI of Western Macedonia students -3<sup>rd</sup> stage»
- ◆ From Jan 1999 until March 2001 deputy Scientific coordinator and from March 2001 until 31/12/2004 until Scientific coordinator of E.P.E.A.E.K.II financed subproject «Department of Pollution Control Technologies in TEI of Western Macedonia». Editor of the Feasibility study for the above dpt and developer of all education activities for the first 5 years of operation.
- ◆ From 1/1/2005 until 31/12/2006, Scientific coordinator of TEIWM Research Committee funded research project «Use of Steady Temperature Chamber for the Evaluation of Floor Heating-Cooling System» (Research Committee Decision 21/21-12-2004, theme 9<sup>th</sup>)
- ◆ From 1/1/2005 until 31/12/2006, Scientific coordinator of TEIWM Research Committee funded research project «Investigation of maintaining steady characteristics in a closed distribution hydraulic system» (Research Committee Decision 21/21-12-2004, theme 10<sup>th</sup>)

- ◆ From 1/1/2005 until 31/12/2007 Chief Researcher of the research project «Optimization of Combined Solar Systems Efficiency», budget 79.000€, Programme Archimedes II, EPEAEK II
- ◆ From 1/1/2005 until 31/12/2007, Researcher of the research project «Radio-environmental Investigation and Trace elements Study in Kardia Mine», budget 73.500€, Programme Archimedes II, EPEAEK II
- ◆ From Oct 2005 until Aug 2008, Scientific coordinator of sub-project «Mechanical Engineering Dpt» of the project «Reforming Undergraduate Programmes in TEIWM»
- ◆ From Oct 2005, member of the 3-member scientific committee of MSc Programme «Mechatronics» co-organised by TEIWM and Universita Politecnica Catalunya
- ◆ From 17/9/2012 until 30/11/2015, deputy institutional coordinator of the Research Project "Archimedes III- Strengthen Research Teams in TEIWM" MIS 383583, ESPA-EPEDVM, budget 1.080.000€
- ◆ From 18/4/2011 until 30/11/2015, member of the Administration Group of the Project «Digital Library of TEIWM», ESPA-O.P. «Digital Convergence» MIS 304216, budget 470.000€
- ◆ From 18/4/2011 until July 2014), member of the Administration Group of the Project «Digital Services of TEIWM», ESPA-O.P. «Digital Convergence» MIS 304217, budget 256.515€
- ◆ From Nov 2014 until July 2015, member of the research team of the sub-project «Exploitation of industrial and agricultural solid waste in ceramic materials» of the Research Project "Archimedes III- Strengthen Research Teams in TEIWM" MIS 383583, ESPA-EPEDVM, budget 81.000€
- ◆ From March 2014 until June 2015, member of the research team of the sub-project «3D Simulation of the drilling process, based on CAD system programming» of the Research Project "Archimedes III- Strengthen Research Teams in TEIWM" MIS 383583, ESPA-EPEDVM, budget 81.000€
- ◆ Evaluator of Graduates' Knowledge Update Programmes (ESPA 2007-2013)
- ◆ Evaluator of IKY Fellowships (2012-2013)
- ◆ Since Oct 2015, Director of MSc "Renewable Energy Sources and Energy Management in Buildings

#### TEACHING EXPERIENCE

- ◆ Since Sept 1986, independent teaching (as assistant professor until 8/5/2014 and from 9/5/2014 as associate professor in Mechanical Engineering Dpt of TEIWM) of the courses: Heating - Cooling - Air Conditioning I & II, Thermodynamics, Steam Generators-Steam Turbines, Renewable Energy Forms, Buildings Energy Design in the Energy Sector and Mechanical building Installations, Hoisting & Conveying Machines, Economo-technical Analysis, Work Safety and Environmental Protection in the Construction Sector. Develop syllabus-supporting material and laboratory structure. More specifically organize-design of Heating-Cooling\_Air Conditioning, Steam Generators-Steam Turbines and Renewable Energy Forms Laboratories & develop syllabus-supporting material.

#### ADMINISTRATION EXPERIENCE

- ◆ From Sept 1995 until Aug 2002, Head of Mechanical Engineering Dpt, TEIWM
- ◆ From Sept 2002 until Aug 2004 Director of Construction Sector of Mechanical Engineering Dpt, TEIWM.
- ◆ From Sept 2005 until Aug 2008, Head of Mechanical Engineering Dpt, TEIWM
- ◆ From Sept 1997 until Feb 2011, ordinary member of the Research Committee TEIWM and from March 2011 until 2013 deputy member.
- ◆ From Sept 1993 until Dec 2010, and from May 2014 Departmental coordinator for ERASMUS programme
- ◆ Representative of TEIWM in 3<sup>rd</sup> PEP of WM Committee
- ◆ Member in committees for

- ◆ Development of TEIWM Business Plan
- ◆ Development of TEIWM Internal Regulation
- ◆ Development of Financement Guide for Research in TEIWM
- ◆ Configuration of TEIWM Diploma Supplement
- ◆ Submission of documentation for TEIWM proficiency in European projects management
- ◆ Development of Study Programmes for the departments of Mechanical Engineering, Industrial Design and Pollution Control Technologies in TEIWM
- ◆ The Lifelong Learning Structure in TEIWM
- ◆ From June 2011 until Oct 2014 Vice President of the Governing Board of the Municipal Kozani Library

### STUDIES

- Study for the development and Operation of Boilers Testing Laboratory in TEI of Kozani according ELOT Standards 234 & 235. The Laboratory was funded by the Innovation Department of EOMMEX and The Public Investments Program. Operates since 1987 and has been accredited by ELOT on 1988 and 1994.
- Study for the development and Operation of Radiators-Heat Exchangers Testing Laboratory (according ISO 3147, 3148 & 3150 and relevant ELOT 349, 350 & 570 Standards). The Laboratory was funded by S.P.A. of West Macedonia with 25.000.000 dr for 1990-1991. Also was funded by the Innovation Department of EOMMEX with 3.000.000 dr.

### MONOGRAPHS:

- "STUDY OF ATTACHMENT OF A PLANE JET TO AN ADJACENT SURFACE (COANDA EFFECT)", ATHENS, JUNE 1983

Diploma Thesis undergone in Fluid Mechanics and Chair, NTUA under the supervision of Prof. Papantonis Dimitrios. The thesis included the construction of a hydraulic channel for the study of the effect and the use of experimental results for the development of a calculation model. Application in large cargos for fuels conservation.

- "HEAT PUMP – APPLICATION ADVANTAGES & DISADVANTAGES OF THE APPLICATION IN GREECE", BEDFORD, Feb 1984

This project was written after 6 months attendance of Master studies and specialization in that subject. Takes under consideration the specific climate conditions in Greece and investigates the behavior of different heat pump types.

- "ALTERNATIVE ENERGY: POWER FROM NATURALLY OCCURRING SALINITY DIFFERENCES", CRANFIELD INSTITUTE OF TECHNOLOGY, Sept. 1984

Thesis for the Master of Science, on energy production (mechanical or electrical) from naturally occurring salinity differences. The thesis was undergone under the supervision of Professor Ian Smith, (apart Cranfield Institute of Technology only two universities all over the world was involved in that kind of research at that time - La Jolla Research Institute, California, U.S.A. and Ben Gurion, Negev, Israel). Involves construction of experimental model, which operation is based on osmosis principle, and the consequent development of a calculation algorithm. To understand the importance of the results it is notably that in a river mouth we can exploit an energy equivalent to that of 200 m waterfall

- "OPTIMAL DESIGN AND OPERATION OF COMBINED SOLAR THERMAL SYSTEMS FOR SMALL SCALE RESIDENTIAL APPLICATIONS", IOYΛ. 2007.

Thesis for the PhD referred on the design and operation of solar systems for space heating and hot water in dwellings for Balkan climatic conditions. Under the research framework an experimental installation was constructed, it was simulated in a model and it was optimized in a way to develop a calculation instrument for such systems. The system was studied as far its economic viability and its sustainability are concerned and for that, specifically developed sensitivity analysis algorithms has been developed.

## **BRIEF PRESENTATION OF THE PUBLISHED RESEARCH WORK**

### **A. In international peer-reviewed journals**

1. N.Taousanidis "New Challenges for European Higher Education", *Industry & Higher Education*. Vol.16(5), pp.289-294, October 2002 (7 references<sup>1</sup>, cited in more than 3 international bibliographic databases)
2. N.Taoussanidis, K.Gavros, G.C.Seritan, "Microcontroller based thermal energy metering for solar water heaters", *Buletinul Institutului Politehnic din Iasi*, tomul L(LIV), Fasc.5B, pp 900-905, 2004 (presented also in 3<sup>rd</sup> Int. Conf. on Electrical and Power Engineering – EPE 2004, Iasi, Romania, 7-8/10/2004)
3. Dogaru,U., Cepisca,C, Andrei,H, Diaconescu,E, Taousanidis,N, "The photovoltaic system data acquisition using LabVIEW", *Buletinul Stintific al Universitatii din Pitesti, Seria Metrologie, Sisteme de masurare si ingineria calitati*, nr.1/2004,pp.106-112,Ed.Universitatii Pitesti, ISSN 1582-6023
4. N.Taoussanidis "A new control strategy for combined solar heating", *WSEAS Transactions on Environment and Development*, Vol. 2 (2), pp 92-97, February 2006 (2 references<sup>2</sup>, cited in international bibliographic databases)
5. N.Taoussanidis and M.Antoniadou "Sustainable Development in Engineering Education", *Industry & Higher Education*. Vol.20(1), pp.35-42, February 2006, (4 references<sup>3</sup>, in more than 6 international bibliographic databases)

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1. Tauno OTTO, Jyri PAPSTEL, Jyri RIIVES, "Knowledge Management in The Framework of Technological Resources Network", *Machine Engineering*, vol.4, No 1-2, 2004, pp 21-28, ISBN 1642-6568
2. Carmen Alba Pastor, "El Profesorado Y Las Tecnologías De La Información Y La Comunicación En El Proceso De Convergencia Al Espacio Europeo De Educación Superior", *Revista de Educación*, núm. 337 (2005), pp. 13-36
3. Carmen Carmona Rodríguez y Edume Martínez Moreno, "De metodologías participativas, tecnologías y filosofías docentes: Reflexiones para la innovación educativa", in *Educación Superior, Innovación e Internacionalización ENSAYOS, PROYECTOS Y EXPERIENCIAS*, Rosario Hernández Castañeda, Siria Padilla Partida, Marcelo Arancibia Herrera (Coordinadores), pp 172-202, Mexico, ISBN 978-607-450-462-0, 2011
4. Tauno Otto, "Models for Monitoring of Technological Processes and Production Systems", *Thesis On Mechanical And Instrumental Engineering*, June 21, 2006, Faculty of Mechanical Engineering, Department of Machinery, Tallinn University of Technology
5. Robertson Mary, "Virtual Learning for Health Care Managers", *PhD Thesis*, Department of Media and Information, Curtin University of Technology, 2006
6. M. Karatas-Ozkan and E.Chell, *Nascent Entrepreneurship and Learning*, Edward Elgar Publishing Inc, Northampton (MA), USA 2010
7. Laura Irene Lindsey, "You've got to start messy": an exploration of the process of involvement in a large scale educational collaboration", *PhD Thesis*, Institute of Health and Society , Newcastle University, 2012

2

1. I.G.Shekriladge et al, "Flat-Plate Collector with Solar-powered Pump and problem of Boiling on Downward Facing Surface", *WSEAS Transactions on Heat and Mass Transfer*, Vol. 4 (4), pp 108-117, October 2009, ISSN:1790-5079
2. G.Topalidis, E.Katsanos, D.Zisopoulos, "EUCLIMA:The Personal Micro-Clima Concept, as Environmental Policy Redefinition for Modern Cities", *Proceedings of the 5<sup>th</sup> WSEAS Int.Conf. on Environment Ecosystems and Development*, Tenerife, Spain, December 14-16, 2007

3

1. A. Lyth, S. Nichols and D. Tilbury, "Shifting Towards Sustainability, Education for climate change adaptation in the built environment sector", Published by Australian Research Institute in Education for Sustainability (ARIES), Graduate School of the Environment, Macquarie University, North Ryde, NSW 2109, ISBN: 978 1 74138 256 3, 2007  
<http://www.aries.mq.edu.au/projects/ClimateChange/files/climateChange.pdf>

6. N.Taoussanidis "Evaluation through Life Cycle Assessment of Combined Solar Heating Environmental Impacts", WSEAS Transactions on Heat and Mass Transfer, Vol. 1 (4), pp 500-505, April 2006 (2 references <sup>4</sup> cited in international bibliographic databases)
7. N.Taoussanidis "Effect of Water Storage Tanks Design in Solar Combisystems Efficiency", WSEAS Transactions on Heat and Mass Transfer, Vol. 1 (10), pp 745-754, October 2006 (cited σε British Library & other international bibliographic databases)
8. N.Taousanidis and M.Antoniadou, "The Greek Challenge in work-based learning", Industry & Higher Education. Vol.22(3), pp.177-182, June 2008 (2 references <sup>5</sup>, cited in more than 6 international bibliographic databases))
9. Costin Cepisca, Horia Andrei, Stergios Ganastios, Sorin Dan Grigorescu, Nikolaos Taousanidis, "Methods for power measurement in energy meters", The Scientific Bulletin of Electrical Engineering Faculty, Ed. Bibliotheca, Targoviste, no.2, year 8, pp. 7-11, 2008
10. N.Taousanidis and M.Antoniadou, "Quality assurance: enhancing or threatening higher education?" Industry & Higher Education. Vol.24(2), pp.87-93, 2010
11. E. Amanatidou, E. Trikoilidou, G. Samiotis, N-P. Benetis and N. Taousanidis, "An easy uncertainty evaluation of the COD titrimetric analysis in correlation with quality control and validation data. Method applicability region", *Analytical Methods*, 2012, 4(12) pp.4204-4212 (1 reference<sup>6</sup>)
12. N.Taoussanidis and E. Amanatidou, "Performance of a Combined Solar Heating System for Residential Applications in Greece", International Journal of Sustainable Energy, 2014, vol 33 (4), pp.937-945
13. V. Karayannis, X. Spiliotis, K. Ntampeglitis, N. Koukouzas, I.Tsianakas, N.Taousanidis & G. Papapolymerou, "Reliability Analysis of Clay Ceramics Incorporating Industrial Solid By-products", Modern Applied Science, 2014, vol 8, No 6, pp219-228 (1 reference <sup>7</sup>)

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2. Oliver McGarr, "Education for sustainable development in technology education in Irish schools: a curriculum analysis", International Journal of Technology and Design Education, Volume 20, Number 3, 317-332, 2009, Springer Verlag
  3. B Bader, C Bouchard, N Bacon, F Anctil, "Enseignement du développement durable en ingénierie: un état des lieux", LES CAHIERS DE L'Institut EDS, Université Laval, Québec, Mai 2012,
  4. Arsat M., "Key Sustainability themes and competencies for engineering education", Research in Engineering Education Symposium, REES 2013, pp.364-371

- <sup>4</sup> 1. G.Topalidis, E.Katsanos, D.Zisopoulos, "EUCLIMA:The Personal Micro-Clima Concept, as Environmental Policy Redefinition for Modern Cities", Proceedings of the 5<sup>th</sup> WSEAS Int.Conf. on Environment Ecosystems and Development, Tenerife, Spain, December 14-16, 2007
2. Yin Hang, Ming Qu, Roland Winston, Lun Jiang, Bennett Widyolar, Heather Poiry, "Experimental based energy performance analysis and life cycle assessment for solar absorption cooling system at University of Californian, Merced", Energy and Buildings, Volume 82, October 2014, Pages 746-757

<sup>5</sup>

1. Dr.Rajagopal, "Innovative Teaching Practices", Teaching Effectiveness Seminar, organised by AACSB (Association to Advance Collegiate schools of Business), Tampa Florida, 2008
2. A. Nicolaides, "Innovative teaching and learning methodologies for higher education Institutions", Educational Research (ISSN: 2141-5161) Vol. 3(8) pp. 620-626, August 2012

<sup>6</sup>

V.G. Karayannis, Recent progress in Microwave-enhanced Advanced Oxidation Processes –

A short Review, *Oxidation Communications* (Scopus indexed), Accepted for Publication, 2016

<sup>7</sup>

Al-Saadi, Taha H. Abood, et al. "Effect of Alkaline Activator on the Main Properties of Geopolymers Based on Cullet Glass and Red Mud." *Revista Română de Materiale/Romanian Journal of Materials* 45.2 (2015): 138-146.

14. Nikolaos Taousanidis and Elisavet Amanatidou, "A study on the design and analysis of a solar product for single family houses", *Int. Journal of Product Design*, 2014, vol 5, No 2, pp 85-97
15. Elisavet Amanatidou, Georgios Samiotis, Eleni Trikoilidou, George Pekridis, Nikolaos Taousanidis, "Evaluating sedimentation problems in activated sludge treatment plants operating at complete sludge retention time", *Water Research*, Volume 69, 1 February 2015, Pages 20-29 (5 references<sup>8</sup>)
16. Elisavet Amanatidou, Eleni Trikoilidou, George Pekridis, George Samiotis, Lazaros Tsikritzis, Nikolaos Taousanidis, Stavros Karapanos, "Pollution sources in water of young reservoirs - Case of Ilarion hydroelectric dam, Greece", *Environmental Engineering and Management Journal*, Accepted: November, 2015
17. Panagiotis Kyratsis, Nikolaos Taousanidis, Apostolos Tsagaris, Konstantinos Kakoulis, "Drilling Mathematical Models Using the Response Surface Methodology", *International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS* Vol:15 No:06, December, 2015

#### B. In international peer-reviewed conferences

1. N.Taousanidis "New Challenges for the European Higher Education", *Proceedings of the 2<sup>nd</sup> International Conference on New Horizons in Industry and Education*, pp 33-38, 2001
2. N.Taousanidis and M.Antoniadou "Greek Higher Education and the World of Work: New Challenges in the 21<sup>st</sup> century", *Proceedings of the 3<sup>rd</sup> International Conference on New Horizons in Industry and Education*, pp.66-74, 2003
3. N.Taousanidis and C.Gavros, "Modelling, Sensitivity and Optimization of a Solar Combisystem", *Proceeding of the International Conference Metrology & Measurement Systems - METSIM'2003*, Bucharest, 30-31 octobere 2003, ISBN: 973-8067-86-3, Electra ed(s), 2003, p. 9-17
4. N.Taoussanidis and M.Antoniadou "Higher Education and Sustainable Development: New Challenges for Engineering Education", *Proceedings of the 4<sup>th</sup> International Conference on New Horizons in Industry, Business and Education*, pp 147-153, 2005
5. N.Taousanidis, "Perspectives for photovoltaics in Greece", *International Conference Solar Wind "SWIC 2005"*, September 17-19 2005, Agigea, Romania
6. N.Taoussanidis, "Optimization of combined solar heating through control decisions", *Proceedings of 2006 WSEAS International Conference ENERGY and*

1. S. Diehl, J. Zambrano, B. Carlsson, "Steady-state analysis of activated sludge processes with a settler model including sludge compression" *Water Research* Volume 88, January 2016, pp 104-116.
2. Qibin Wang, Qiuwen Chen, "Simultaneous denitrification and denitrifying phosphorus removal in a full-scale anoxic-oxic process without internal recycle treating low strength wastewater", *Journal of Environmental Sciences* In Press, Uncorrected Proof, Available online 29 December 2015
3. Yue J., Qinglin X, Wenjie Z, «High-Strength Ethylene Glycol Wastewater Treatment In Anaerobic Polyvinyl Alcohol Gel Beads Based Biofilm Reactor» *Global NEST Journal*, Vol 18, No X, pp XX-XX, 2016, Accepted: 08/12/2015, Available online: 21/12/2015
4. M Djeddou, B Achour, "The Use Of A Neural Network Technique for the Prediction of Sludge Volume Index in Municipal Wastewater Treatment Plant", *Larhyss Journal*, ISSN 1112-3680, 2015
5. Andrew J. Hargreaves, , Peter Vale, Jonathan Whelan, Carlos Constantino, Gabriela Dotro, Elise Cartmell: "Mercury and antimony in wastewater: fate and treatment", *Water, Air, & Soil Pollution*, March 2016, 227:89, First online: 23 February 2016

- ENVIRONMENTAL SYSTEMS (EE'06), pp 117-121, Chalkida, Evia Island, Greece, May 8-10, 2006(1 reference<sup>9</sup>)
7. N.Taoussanidis, "Experiences from a Greek Solar Combisystem", EUROSUN 2006, Glasgow 27-29 June 2006
  8. N.Taoussanidis, "Life Cycle Assessment of Combined Solar System", 4th IASME /WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT, Elounda, Agios Nikolaos, Crete Island, Greece, August 21-23, 2006 (5 references<sup>10</sup>)
  9. N.Taoussanidis, "Effect of water storage tanks design in solar combisystems efficiency", Proceedings of 2<sup>nd</sup> IASME/WSEAS International Conference on ENERGY and ENVIRONMENTAL SYSTEMS (EE'07), pp 56-61, Portoroz, Slovenia, May 15-17, 2007
  10. N.Taousanidis and M.Antoniadou, "Work Based Learning in Greek Higher Education", Proceedings of the the 5<sup>th</sup> International Conference on New Horizons in Industry, Business and Education, pp115-121, Rodos, August 30-31, 2007
  11. N.Taousanidis, "Economic analysis of solar combisystems", in RECENT ADVANCES ENVIRONMENT, ECOSYSTEMS and DEVELOPMENT, Proceedings of 6<sup>th</sup> WSEAS International Conference on ENVIRONMENT, ECOSYSTEMS and DEVELOPMENT (EED'08), Cairo, Egypt, December 29-31, 2008(1 reference)<sup>11</sup>
  12. N.Taousanidis and M.Antoniadou, "Quality Assurance: A survival threat for regional countries' higher education institutes", Proceedings of the 6<sup>th</sup> International Conference on New Horizons in Industry, Business and Education, pp3-9, Santorini, August 27-28, 2009
  13. N.Taousanidis and K.Gavros, "Solar combisystem monitoring and optimization", Proceedings of the 5<sup>th</sup> International Conference "Metrology and Measurement Systems (METSIM) 2009, pp 87-89, Bucharest, November 5-6, 2009
  14. N.Taoussanidis and M.Antoniadou, "Sustainable Engineering Education: justified and justifiable", Latest Trends on Engineering Education, Proceedings of the 7th WSEAS International conference on Engineering education (EDUCATION'10), pp 428-434, Corfu, July 22-24, 2010, (13 references<sup>12</sup>)

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<sup>9</sup> G.Topalidis, E.Katsanos, D.Zisopoulos, "EUCLIMA: The Personal Micro-Clima Concept, as Environmental Policy Redefinition for Modern Cities", Proceedings of the 5<sup>th</sup> WSEAS Int.Conf. on Environment Ecosystems and Development, Tenerife, Spain, December 14-16, 2007

1. A.Simmons, S.Firth, "Life-cycle assessment of a 100% solar fraction thermal supply to a European apartment building using water-based sensible heat storage", Energy and Buildings , Volume 43 (2011), 1231-1240, Elsevier B.V.
2. Onur Gökulu, Gökçen A. ALTUN ÇİFTÇİOĞLU, M. A. Neşet KADIRGAN, "Cradle to Gate Life Cycle Assessment of Continuous Production for Solar Collector Selective Surface", *Fen Bilimleri Dergisi*, 23(4) (2011) 160-170.
3. Yu Y, Wang X, Wang D, Huang K, Wang L, Bao L, Wu F, "Environmental characteristics comparison of Li-ion batteries and Ni-MH batteries under the uncertainty of cycle performance", *Journal of Hazardous Materials*, Volumes 229–230, 30 August 2012, Pages 107–114
4. Yu Y, Wang X, Sun W, Huang K, Wang D, "The Environmental Impact Mechanism Analysis for Ni-Mh and Li-Ion Batteries based on Cycle Performance", *Environmental Engineering*, 2012, v.30(S2) 526-530, ISSN : 1000-8942
5. Dimitrios Georgakellos, Eirini Polychronidou, and Charalampia Florou, "The carbon dioxide life cycle footprint of battery powered electric vehicles using electricity from biomass-fired power plants in Greece", *INTERNATIONAL JOURNAL OF ENERGY*, Issue 2, Vol. 6, 2012, pp 81-88

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1. Sunil Chamoli, Anil Patil, J.S. Saini, "Parametric Optimization of Solar Assisted Bioreactor", *International Journal of Energy Science (IJES)*, Vol.1 No.2 2011 PP.125-130

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15. N.Taousanidis and M.Antoniadou, "Challenges for European Universities Governance", Proceedings of the 7<sup>th</sup> International Conference on New Horizons in Industry, pp9-14, Business and Education, Chios, August 25-26, 2011

### C. In national peer-reviewed conferences

1. N.Taousanidis, "Solar Heating & Combisystems", National Conference on Intelligent Systems for Buildings "Home High-Tech 2004", September 15-17 2004, Agigea, Romania

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1. Ph. Dondon, A.Szalajko, C.A. Bulucea, R. "Design of a small scale wood house to study thermal and energetic performances of modern timber-frame construction", Recent Advances in Energy, Environment, Biology and Ecology, Proceedings of the 10th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '14) Tenerife, Spain January 10-12, 2014, ISBN: 978-960-474-358-2, pp 81-86
  2. Ph. Dondon, C.A. Bulucea, R. Charlet De Sauvage, "Sustainable development education in an electronic engineer school: experimental study of thermal losses in a realistic small scale house by infrared thermal imaging", WSEAS TRANSACTIONS on ADVANCES in ENGINEERING EDUCATION, Issue 2, Volume 10, July 2013, pp 113-122
  3. Ph. Dondon, C. A. Bulucea, P. Cassagne, "Education to Sustainable development in an engineer school: Carbon assessment ® method applied to the design of a realistic small scale house", WSEAS TRANSACTIONS on ADVANCES in ENGINEERING EDUCATION, Issue 1, Volume 10, January 2013, pp 14-23
  4. Ph. Dondon, C. A. Bulucea, D. Rosca, P. Cassagne, "Enhancing the Knowledge on Carbon Assessment (Bilan Carbone ®) Method through an Application to the Design of a Realistic Small Scale House", in Advances in Environment, Ecosystems and Sustainable Tourism proceedings of EED'13, 2013, ISBN: 978-1-61804-195-1, pp 25-32
  5. Ph. Dondon, D. Marsan, C. A. Bulucea, "Experimental study of thermal losses in a realistic small scale house by infrared thermal imaging: a sustainable development project", in Advances in Environment, Ecosystems and Sustainable Tourism proceedings of EED'13, 2013, ISBN: 978-1-61804-195-1, pp 33-39
  6. Oprean C, Grecu V, Deneş C, Kifor C-V, Oprean C, "Sustainability In Romanian Higher Education", Proceedings of the 4th International Conference of Engineering and Business Education and 1st SAFRI Journey to Excellence Conference, 20 – 23 November 2011, Cape Town, South Africa,
  7. Constantin Oprean, Rodica Ofelia Miclea, Claudiu-Vasile Kifor, Ioan Leş, Valentin Grecu, Călin Deneş, Camelia Oprean, "The sustainable development in romanian higher education", Revista Congreso Universidad. Vol. I, No. 1, 2012, <http://www.congresouniversidad.cu/>
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