



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Nikos Sakkas, Dr. Eng		
Address(es)	18, Kalavriton str., 15344, Gerakas, GREECE		
Telephone(s)	+30 210 7717406	Mobile	+30 6944 866516
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Date of Birth	18.05.1959		
Gender	Male		

Highlights

Most recent journal published work

Simulating energy use and energy pricing in buildings: The case of electricity
Energy and Buildings 54 (2012) 96–104 (journal impact factor: 2.4)
http://energywarden.net/docs/EUM_PAPER.pdf (first page)

Meeting the Challenges for Wireless Sensor Network Deployment in Buildings
International Journal of Sensors and Remote Sensing Vol. 1, No. 1, February 2013
<http://www.sciencepublishinggroup.com/journal/archive.aspx?journalid=130&issueid=-1>

Most recent business achievement

Wireless technology spin off set- up
<http://wsn.building-21.net/>

Work experience

Dates	01/06/1997 - today (10 years)
Occupation or position held	General Manager
Main activities and responsibilities	Co-ordinator of Group activities; area: Building management; Construction and ICT in construction services
Name and address of employer	Apintech Ltd (www.apintech.com)
Type of business or sector	Construction system design and construction ICT support services Greek representative at the ECA (European Concept for Accessibility) network www.eca.lu Participant to the E2B (Energy Efficiency in buildings)

Dates	01/01/1993- 01/06/1997 (4.5 years)
Occupation or position held	Director

Main activities and responsibilities	Industrial Consulting and technical assistance
Name and address of employer	Planet Ernst & Young SA (www.planetey.com)
Type of business or sector	Business planning, action planning, programme evaluation and monitoring services in the framework of the 3rd / 4th community support framework:
Dates	01/01/1990- 31/12/1992 (3 years)
Occupation or position held	Process automation specialist
Main activities and responsibilities	Project Development Engineer. Vast experience on plant layout, automation, PLC/ PC control systems, linkage of sales and production systems, plastic recycling.
Name and address of employer	Plastika Kritis S.A, global plastics manufacturer, Heraklion, Crete, Greece
Type of business or sector	Process Industry; plastics
Dates	01/01/1989- 31/12/1989 (1 year)
Occupation or position held	IT based process system design
Main activities and responsibilities	Development of software for the design of activated sludge plants, pumping stations and sludge treatment facilities- development of software (Basic/ C) for various design tasks.
Name and address of employer	Mahon Mc. Phillips S.A. London, UK.
Type of business or sector	Process Industry; water & wastewater engineering
Evaluation and reviewing	
Evaluations	Collective Research stage 1, 10-14 May 2004 NMP-2004-IST-NMP-1, 15-20 Nov 2004 CRAFT, 22-27 Nov 2004, Collective Research, Nov 2005, Panel Col. Res FP7-2008-NMP-SME-2 FP7-REGPOT-2008-2 FP7-REGPOT-2010-1 FP7-2011-NMP-ENV-EeB, Jan 2011 FP7-2012-NMP-ENV-EeB, Jan 2012 FP7-2013-NMP-ENV-EeB, Jan 2013 REGIONS 2012-2013-1
Reviews	SIMNET, IST, 1999- 2001 (4 3-day contracts)- IST
Other related	COST 542, Member of the Management Committee
Education and training	
Dates	01/10/1989 - 31/12/1989
Title of qualification awarded	Post doctorate researcher
Principal subjects/occupational skills covered	Process automation for the water and wastewater industry
Name and type of organisation providing education and training	Imperial College (UK)
Dates	01/10/1986 - 31/12/1989
Title of qualification awarded	Doctorate Degree

Principal subjects/occupational skills covered	Environmental management and technologies with a focus o the household level water and wastewater management				
Name and type of organisation providing education and training	Un. of the Aegean (GR)				
Dates	01/10/1977 - 31/16/1983				
Title of qualification awarded	Dipl. Eng (Mech)				
Principal subjects/occupational skills covered	5 year Mechanical Engineering curriculum				
Name and type of organisation providing education and training	National Technical University of Athens (NTUA) (GR)				
Personal skills and competences					
Mother tongue(s)	Greek				
Other language(s)					
Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent
French	Good	Very Good	Good	Good	Good
German	Good	Very Good	Good	Good	Good
Social skills and competences	<p>Promoter of ICTforALL concepts in general and the ICTforALL network in particular (www.ictforall.net)</p> <p>Author of books; documentaries, general opinion, poetry</p> <p>Blogger: http://nikossakkas.blogspot.com</p>				
Organisational skills and competences	<p>Project Manager in in 2 EU projects (4th FP, WIT, budget 4 MEURO, 6th FP, POLIS, budget 2.3 MEURO)</p>				
Additional information	<p>~30 published scientific papers in international Journals and Conference Proceedings (see annex)</p> <p>EC Project Reviewer (FP5, FP6)</p> <p>EC Project Evaluator (FP6, FP7)</p>				

Published work (journal papers, conferences, government events, books, etc.)

International Journals

1. Kouvaletsou M, Sakkas, N et.al **Simulating energy use and energy pricing in buildings: The case of electricity** *Energy and Buildings* 54 (2012) 96–104 (journal impact factor: 2.4) http://energywarden.net/docs/EUM_PAPER.pdf (first page)
2. Costas Daskalakis & Nikos Sakkas **Meeting the Challenges for Wireless Sensor Network Deployment in Buildings** *International Journal of Sensors and Remote Sensing* Vol. 1, No. 1, February 2013 <http://www.sciencepublishinggroup.com/journal/archive.aspx?journalid=130&issueid=-1>
3. Costas Daskalakis & Nikos Sakkas **Wireless sensor networking in buildings Field performance data and network architecture implications**, *Ad Hoc Networks*, 2012 (in process)
4. Nikos Sakkas, Maria Kouvaletsou, Daniela Reccardo, Steve Garvin and Marko Batic **Simulating energy use and energy pricing in buildings**, *Energy and Buildings* 54 (2012) 96–104
5. I. Georgaki, N. Sakkas, et. al, **The Role of Bulking Agent in Pile Methane and Carbon Dioxide Concentration during Wastewater Sludge Windrow Composting**, *Water Environment Research*, Volume 80, 2008
6. Georgaki, N. Sakkas, et. al, **Evaluating the use of electrical resistivity imaging technique for improving CH4 and CO2 emission rate estimations in landfills**, *Science of the Environment*, 389, 522- 531, 2008
7. N. Sakkas and J. Perez, **Elaborating metrics for the accessibility of buildings**, *Computers, Environment and Urban Systems*, Nov. 2005
8. N. Sakkas and T. Manios, **End of Life Vehicle Management in Areas of Low Technology Sophistication. A Case Study in Greece**, *Business Strategy and the Environment*, Volume 12, Issue 5, 2003
9. T. Manios, E. Gaki, S. Banou and N. Sakkas, **Closed wastewater cycle in a meat producing and processing industry**, *Resources, Conservation and Recycling*, 2003
10. T.D. Lekkas, Nikos Sakkas, **Using GAC to control THMs in drinkable water. First results from an experimental study at the Athens Water Works utility**, *Global Nest. The International Journal*, 2001, vol. 3, number 3, pp 189- 197
11. Nikos Sakkas and Rainer Malkewitz, **The Hyper Chain as a Many to Many Collaborative Environment: Business, Management, Implementation, and Security Issues**, *Int. Journal of Information, Systems and Knowledge Management*, (2001), Vol.2, Number 3, pp 229- 238.
12. D. Apostolou, N. Sakkas and G. Mentzas, **Knowledge Networking in Supply Chains. A Case Study in the wood/ furniture sector**, *Int. Journal of Information, Systems and Knowledge Management*, pp 267- 281, 1(1999).
13. Nikos Sakkas, Rainer Malkewitz, D. Apostolou, **The rise of the Hyper-Chains: Business Effects of Emerging Internet enabled Information Systems. Early experiences from the wood/ furniture manufacturing sector**, *Int. Journal of Information Management*, pp.305- 318, 19 (1999).
14. N.D.Sakkas and T.D.Lekkas, **Detachment mechanisms in a liquid fluidised bed**. *Journal of Environmental Technology*, 1996, Vol.17, pp 517- 524
15. N.D.Sakkas and T.D.Lekkas, **Hydrodynamic characteristics of the solid-liquid fluidised bed developing during the backwash of filter media**. *Journal of Environmental Technology*, Feb. 1989, Vol.10, pp. 151-166.

International Conferences

1. N. Sakkas, N. Vidakis, E. Charalambaki, **"Mainstreaming Design for All policies in the EU. From policy to new business development and new educational curricula design"**, 4th Int. Conference, *New Horizons in Industry, Business and Education*, Corfu, 24-25 August, 2005
2. S. Yfanti, N. Sakkas, N. Vidakis, **"Customer Relationship Management"**, 4th Int. Conference, *New Horizons in Industry, Business and Education*, Corfu, 24-25 August, 2005

3. Nikos Sakkas and Evangelos Mylonas, **"Flexible floating structures providing for both coastal protection and wave energy production and their integration in coastal management and decision support systems"** (accepted for publication), 1st Int. Conference on Sustainable Planning & Development, Skiathos, 2003
4. Evangelos Mylonas and Nikos Sakkas, **Business models and technical architectures for an advanced energy management combined with IT services at the residential level. The COGENVAD initiative**, (accepted for publication), 1st Int. Conference on Energy & Environment, Halikidiki, 2003
5. Eleni Gaki, ..., Nikos Sakkas. **Production, treatment and reuse of wastewater in the largest meat producing industry in Crete, Greece**, IWA Regional Symposium, Heraklion 2002, pp. 507- 513.
6. Nikos Sakkas and Rainer Malkewitz, **Internet Hyper Chains. Architectures to add flexibility to the value chain.**, European e- 2000 conference, Madrid, IOS Press, pp. 2000.
7. Rainer Malkewitz, Manuel Oliveira and Nikos Sakkas, **WIT Space Planner – internet enabled 3D graphics in Furniture Business.**, Business and Work in the information society, IOS Press. 1999, pp. 582- 588.
8. Dimitris Apostolou, Nikos Sakkas and Grigoris Mentzas, **Enabling knowledge sharing in supply chain management: A case study in the wood / furniture sector.**, 5th International Conference of the Decision Sciences Institute, Athens, Greece, July 4-7, 1999.
9. Nikos Sakkas και Rainer Malkewitz, **The rise of the Hyper-Chains: Business Effects of Emerging Internet enabled Information Systems. Early experiences from the wood/ furniture manufacturing sector.**, European IIM conference, Goetenburg- Sweden, October 1998.
10. N.D.Sakkas and D.G.Gritsis, **Enabling data sharing and business interactivity through advanced Internet based tools. The WIT approach**, European IIM Conference, Dresden, September 1997.
11. G.E.Chamilothoris and N.D.Sakkas, **Patterns of Introduction of CIME solutions in the Greek Industry.** "Sharing CIM Solutions" Proceedings of the 10th CIM-Europe Conference, IOS Press, pp.26-32, 1994.

Local Conferences (reviewed) and local publications

1. E. Kondili and N.D.Sakkas, **Cost management**, Financial Post, Greek financial magazine, Aug. 1997, pp 62- 63.
2. N.D.Sakkas, E. Lebidakis and P. Zaglis, **Regional Plastic Recycling- Closing the business loop.** Industry and Environment, July 1995, pp 32- 37.
3. N.D.Sakkas, **Research and Technology in Greece**, Financial Post, Greek financial magazine, July 1995 pp 73- 74.
4. N.D.Sakkas and G.E.Chamilothoris, **Vertical Integration of Production Management in the Greek Wood Sector. Applications of Informatics and Control in the Process Industries. Congress proceedings**, Federation of Greek Industries, Jul. 1994, repr. Technica Vol.100 pp.78- 84, 1994.
5. N.D.Sakkas, T.D.Lekkas and N.S.Vlachos, **Evaluation of the detachment mechanisms from the surface of a liquid fluidised particle.** 3rd conference on environmental science and engineering, Mytilene, Sep. 1993, pp 20- 25.
6. G.Kalamaras, N.D.Sakkas and A. Shaper, **Introduction of systematic production planning techniques to support product quality, competitiveness and client satisfaction at Shelman S.A. The postforming factory case.** Conference Quality in Industry, ELOT, Athens, Jun. 16-18, 1993.
7. N.D.Sakkas and E.J.Lebidakis, **Technological and operational aspects of flexible industrial plastic recycling.** International conference of ELECO, 1-4 Apr. 1993, Greece, Vol.3, pp 151-156.
8. N.D.Sakkas, **Flexible control of sequential processes.** Bul. of Mech. and Elec. Engrs. of Greece, pp. 59- 61, Dec. 1992.
9. N.D.Sakkas and T.D.Lekkas, **A design aid for the optimisation of the activated sludge process.** 1st conference on environmental science and engineering, Mytilene, Sep. 1989, pp 499- 509.
10. N.D.Sakkas and T.D.Lekkas, **Removal of impurities from the surface of the salt grains by means of brine fluidisation. A practical application.** 1st conference on environmental science and engineering, Mytilene, Sep. 1989, pp 510-516.

Government invitations

1. Event ICT (Information and Communication Technologies) Syria, 20-22/04/2001 **"Technology Parks as instruments for business innovation: A presentation of the Greek experience and an identification of transferable concepts and practices"**

Books

1. N.D.Sakkas, **The Emerging Enterprise**, September 1999, Ellin Editions
2. N.D Sakkas, **Education and Development**, December 2005, Patakis Editions
3. Chapter contribution to the book "**Wastewater Treatment**" by Prof. T.D Lekkas
4. Literature (in Greek) **The two watchmakers** see <http://apintech.com/docs> (2012)
5. Literature (in Greek) **Moonlight** (2013, in preparation)