



**Vassilis NIKOLOPOULOS**, Hons. Eng, MSc, DIC, Cert. LSE, Maj.Ing (X99), PhD  
Services Manager and Evangelist (ITSM, ITGov, Energy IT)  
IT & Energy Governance Expert

Personal Site -> <http://www.medialab.ntua.gr/vnikolop>

Spin-off R&D Group -> <http://www.intelen.com>

*"Always seeking a position in Education, Research or high-tech Product and innovative R&D Service-Business Development Management and Consulting in a renowned firm in order to manage and create advanced IT services and products"*

**Brief Profile** **Vassilis NIKOLOPOULOS** was born in 1975 in Athens and graduated from the French School "Lycee Leonin". He graduated in 2000 as Valedictorian of 3 Engineering departments (Civil, Electrical, Mechanical) from the Polytechnic School of Dundee University (Scotland), with a 1st class 4year Scottish honours in Electrical Engineering, having gained 2 class medals, British Association scholarship, Duff & Garland Prize and the IEE prize 2000. He also obtained a 1st class MSc and Diploma (DIC) in Control from Imperial College, certificates in Management and Marketing from LSE and after preparing the French classe preparatoire (Maths Sup-Spe) and succeeding in entrance exams (concours PI) he entered Ecole Polytechnique of Paris (promotion X99), from where he obtained the "Majeures d'Ingenieur de l' Ecole polytechnique" in applied mathematics and informatics, with mention "Honorable". He gained scholarship from the "Fondation de l'Ecole Polytechnique" due to high grades in maths and physics. Currently he is a PhD candidate at Multimedia Technology Laboratory of the National Technical University of Athens, working for a PhD in the domain of Optimal Knowledge Engineering. His research objective is to create a new mathematical philosophy, based on differential topology, in order to describe and model enterprise knowledge. As an application result, his web-based Energy Information System (patented EMIR system from OBI) will be able to model, retrieve and analyze Energy stream data over Internet and dynamic profiles, correlating environmental parameters, in order to extract useful knowledge for Energy savings and CO2 control. He has also worked for big multinational companies as an IT Consultant, Innovative Business Development Engineer and Project manager in big EU commercial and R&D projects (FP6, FP7, eTen, etc). He is a member of the Technical Chamber of Greece, IEE, BCS, InstMC, SEE, French Mathematical Society, IFAC, IEEE, SEPE, founding member of AFREL (Association Franco-Hellenique in Greece), member of the Greek-French Chamber of Commerce and holds two official patents in Energy algorithms. He has numerous Conference, Journal and Technical publications. His patented algorithmic method (EnergyRank) won the 2nd Greek National Innovation Prize from OTENET in 2007 and gave him the Best New entry Scientist in Greece from the STATUS Magazine - Men of the Year 2007. He is also the founder of the spin-off R&D Group INTELEN (<http://www.intelen.com>) a strong research team that will lead and create advanced IT Services for the Greek and European sector. He is also certified IT Governance Process Consultant from Compuware SA (USA) and leads national initiatives for IT Governance methodologies (CoBIT, ITIL, etc)

## Key Qualifications

- Strong capabilities in Technical brainstorming and **Services Strategies**
- **Information Society SA (KtP)** Evaluator for National Projects and Actions
- **Infosoc and ESPA “Digital Convergence”** Consultant for National Actions
- Experience in innovative and Entrepreneurial strategies
- Advanced knowledge on Energy Mining, Profiling and Smart Analytics
- Experience in innovation Management and design of IT and Web Services
- Experience in R&D Services Development and Business Development
- Excellent knowledge of EU Directives and Energy Systems Laws/Directives
- IT Governance and ITIL v3 knowledge for Business Applications
- Effective Team Leading for efficient Business Development and R&D
- Advanced knowledge of Web Engineering, Web Technologies and Design
- Advanced knowledge of J2EE and .NET development environments
- ORACLE Training in Data Warehouses Design and ORACLE AS
- Compuware Certification and Training in IT Governance Processes
- Advanced knowledge of Database technologies and data manipulation & integration techniques in advanced architectures
- Advanced knowledge of IT Project Management, Dissemination procedures and Communications in international environments
- Advanced IT skills and Research Experience in Information Management, Information Retrieval and Data Processing with Data Mining (KDD)
- Important experience in IT Management, CoBIT and Prince2-ITIL Procedures, archiving and reporting for EU commercial and R&D projects (FP6, Leonardo)
- Teaching and mentoring in CoBIT, ITSM, ISO 9001 and ITIL procedures
- Advanced knowledge of IT Service Management, Design and Transition
- 5 years experience in Social trends analysis in R&D Business Development
- Extensive specific knowledge of EU procedures ( COCOMO II) for IT and R&D management. Experience in ISO-based reporting & Deliverable management
- Consultancy experience in Greece and EU (Luxembourg, Spain, Belgium)
- Extensive experience in Cultural Heritage domain and management (eRMIONE eTen project). Quality Assurance Manager and PM procedures for Cultural Heritage matters (IPR & Dissemination)
- Extensive Experience in Energy and Energy Information Systems
- Extensive experience in system architecture design and in systems implementation, development and management. Experience in Web Analysis and Design (XML, Web Services, CMS, Portal Engineering)
- Experience in management and mentoring of IT project Teams and in the design and delivery of relevant training methodologies and services
- 5 years teaching experience (NTU Athens) in Web Design and Portal Engineering, Database Admin and Design and Computer Networks
- Mentoring many NTUA Diploma Theses students and Team leading
- Experience in Data Migration techniques and Data management (Oracle Data guard, ETL, Warehousing and Web - based Information Systems)
- Web site Administrator and IT responsible for the E-learning platform of Medialab NTUA (from 2002)
- Creator of the core E-learning IT system e-learning inside NTUA (from 2002)

**University Education** **Ph.D. in Electrical & Computer Engineering**, 04-09

**National Technical University of Athens, ATHENS**

Research Interests: Advanced Knowledge Engineering, Data Mining and Fusion, Energy Information Systems, KDD, e-learning procedures and LMS systems, Interoperability and ambient IT Services (Services Management)

**Majeures Ingénieur de l'École Polytechnique (MSc equiv.)**, 01-02

**École Polytechnique, PARIS, Promotion X99**

Mention Honorable (top 2%), Mathématiques Appliquées & Informatique  
Classes Préparatoires aux Grandes Écoles, filière MP, Concours PI

**Certificates in Management and Marketing**, Summer 2001

**London School of Economics, LONDON**

Focused in Business Plan Analysis, Innovation Management, Marketing

**MSc and Diploma in Control Systems**, 00-01

**Imperial College, LONDON**

Focused in Advanced Maths and Model Reduction, 1<sup>st</sup> class (top 5%)

**Scottish 4yr Bachelor of Engineering in Electrical Engineering**, 96-00

**Polytechnic School of University of Dundee, SCOTLAND**

4<sup>th</sup> year Stream: Advanced control, robotics and dynamic systems

1<sup>st</sup> Class honours, Valedictorian (ranked 1<sup>st</sup>/3 depts), IEE prize with 2 medals

**Prof. Experience** **INTELEN Group (2008 - present)**

*Founder and Head of Group*

Founded **INTELEN group** (<http://www.intelen.com>) as a spin-off R&D group of Medialab NTUA. INTELEN Group is a very strong spin-off research and Business Development group **founded in 2006 by Mr. Nikolopoulos** and a core group of promising high-level Ph.D. candidates in Electrical & Computer Engineering of NTUA and it is considered as a **National leading group** in applied research and application of modern IT, Internet Technologies and advanced Algorithms applied to the **Energy and ICT sector and Utilities/Services**. The group consists of young ambitious scientists and engineers of NTUA and other top schools in Greece and abroad and the basic objective is to promote technological research, creative thinking and perception bind with technological innovation in a national and global level so that to be the mirror of the Greek research potential for abroad.

The group has already **won national and European level prizes** (OTENET Innovation Award 2006, TOP-5 ALBA in Green Entrepreneurship 2008, presented to the Innovation Academy Microsoft 2008, members of EU Innovation Academy i-techpartner, Best New researchers in Greece 2007 from STATUS Magazine) with several Patents in algorithms and energy knowledge management and publications in conferences and journal papers.

The introduction of IT in the field of Energy, using methods of smart energy knowledge management, profiling and Internet technologies is a major investment for the future. The relation of IT and Internet with the Energy sector will create a new market and a new services perspective, that of Energy Information Systems and Services. So Based on strong research and development, using web networks, Internet technologies, innovative algorithms and methodologies, **Intelen Group** creates personalized ICT energy services that can serve any need in smart energy management and profiling so that to provide personalized ICT knowledge to all key-players.

The concept of energy-savings and «energy services» from ESCO Companies (Energy Services Companies) will be particularly important and will serve as a reference for the new Energy Market under the EU Directives 2006/32 / EC & 2002/91/EC and the National Energy Efficiency Action Plan (EEAP) for saving energy and reducing CO<sub>2</sub> for the next 10 years. **Intelen Group** has already started the dynamic development of such IT services for the energy market in conjunction with all European directives, which will lead to the emergence of a new concept in Greece, the **Energy Governance**.

Research and Business Development Application Areas (Outsourcing) :

- **Enterprise Architecture** and ITKM (IT Knowledge Management)
- **IT Governance** and focused consulting for CoBIT, ITIL, ISO20000
- **IT Services Management** applications (ITSM, BPMN, APM, DM)
- **Mobile Services** Business Development and Personalization
- LMS Consulting and **E-learning / Training Services**
- **Energy Information Systems** and advanced Engineering
- **Energy Analytics** and Mobiles Services in Utilities
- Energy Awareness and Energy Mining Concepts
- **AMR Solutions** and Leased Web Energy Analytics Services
- Advanced Profiling in Energy and Monitoring
- KDD, Data Mining, Fusion KM, Grid Analysis, ESCOs Services
- **Innovation** and Strategy in Web and Advanced Algorithmics

Following extensive research activity on modern Energy Information Systems (EIS), Data Mining, web-based Retrieval, Internet-based Intelligence and Knowledge Management, INTELEN has already created two systems and methods of managing and manipulating telemetry-based Energy data and Energy sources through Internet and web-based IT systems. This patented algorithmic method has to do with adaptive Search Machine Technology and on-line ADSL analysis with automatic ranking of energy customers, based on remote LBS Location-based Services and their relevant consumption with respect to local Climate Conditions and the SMP (System Marginal Price) of every time-slot. Further research methodologies are being followed in order to assess the social and geo-spatial impact of those profiling results in the Greek sector and provide Adaptive DSS Automata solutions and Energy Services towards a unified Greek Energy Policy scheme (Greek EEAP) .

## **Intellisolutions SA (2006 - 2008)**

*Head and initiator of R&D and Energy IT Services Business Units  
IT and Energy Services / Governance Manager*

Started as an **R&D Services Manager and IT Governance Manager** for commercial and Business Development projects. Responsible for conception, development & management of new ICT services and products for the future IT Market. Delivery and support services for big clients. Also responsible for Presales and Business Development activities (RFP), setting up targeted IT-based proposals for big customers and responsible for Products and IT Solutions presentations to various potential customers and leads. Expert in Service Strategies and Management, ITIL – CoBIT and ITG Procedures.

### **Key Facts during Intellisolutions Experience:**

Contributed to **many Presales Proposal formulations and preparations** (Tech Proposals, Presentations) in order to win several Presales Projects (Piraeus KPI MIS, General Bank HR Flows, Neoset BI Defects Management) with an important ROI to the company. Presales preparation and proposal quality was considered of high level.

Created, designed and initiated the **new R&D Division** of the company, with all required processes for high quality R&D Business Development. Initiated and introduced to the company a unique bi-directional cooperation scheme with National Technical University of Athens for Research and Training matters. Created internal procedures for R&D Reporting and Technical brainstorming that will lead to innovation, regarding IT Services. Initiated and created a **positive dissemination potential** for the company, having included its name into well-established publications and presentations to high-level magazines and conferences. Gained many **R&D projects**, in cooperation with NTUA, with estimated ROI over 500K in 2008.

Introduced and imported to the company new patented ideas and services **regarding Energy Information Systems** and new Energy IT Service Development. **Extreme development** is anticipated towards this direction, bringing important ROI to the company (Money + Values) on patented services. Introduced Intelen R&D Group in order to improve internal R&D.

Initiated the first **core IT Governance Framework for Intellisolutions** that will create and set the baseline for new IT Governance consulting services in Greece, moving Intellisolutions to a strong position for ITG services. Intellisolutions was the first company in Greece to provide ITG Services, based on profound R&D.

Create the core baseline **for IT Governance services for the Public Sector**. 4<sup>th</sup> CSF will contribute a lot towards this direction for financial assistance (ITG and Public Administration). Responsible for the first **IT Governance project** in Interamerican.

Initiated and **created common Seminars and Training with NTUA**. This led to focused high-quality Training services for the Private and Public sector, increasing the strong positioning of the company.

Initiated all processes for the company's alignment towards **ISO 9001**

**certification** and internal organization (QCP Processes, optimal IT Project Management). **Initiated many important communication links** with important Chambers and Business Groups / Organizations in Greece (French Embassy, Commissioning Managers, CRES, NTUA, WWF, GSRT, EU Sustener) **Certified ChangePoint Process Consultant** from Compuware. One month Training in Compuware Madrid for IT Governance practices and theory. Changepoint IS training and Certification in Process Consulting, using Compuware's methodologies and practices. ITIL Specialist, Business Process Modeling and IT consulting Services targeting big commercial clients (using Software Vantage Suite and ChangePoint from Compuware SA). IT Governance Expert. Consulting services, based on Compuware's Changepoint ITG Practices. Business Development of IT Governance practices and methods, using Compuware's practices and products (Vantage, Changepoint) **Project INTERAMERICAN** : The project concerned the installation and added-value Consulting of Changepoint suite, to Interamerican premises. The procedure incorporated an analysis phase to perform BPR and process modeling for the incoming requests (Demand Analysis) and then to proceed with integrated Project Management and Project Portfolio Management. Mr Nikolopoulos was the PM and the official Certified Process Consultant. **Project PIRAEUS BANK KPIs IS** : The project concerned of the analysis and creation of an on-line KPI-OLAP IT system for the retail and cormorate loan activities of the bank and the optimal performance management of all loan internal business processes. Mr Nikolopoulos was the PM. **Project COSMOTE - QPR** : The project concerned the analysis and the modelling, using the Balanced Scorecard Methodology and KPIs (QPR Product) of internal COSMOTE processes, regarding IT Sales and new Communication products. Mr Nikolopoulos was the PM for this project. **Seminars responsible** for the Training Unit of Intellisolutions. Preparation and development of specific Technical seminars and Research Days targeting big customers (IT Governance, ITIL, CoBIT, Business Process Modeling, etc) with the cooperation of NTUA

### **European Dynamics SA (2005 - 2006)**

*R&D junior Consultant in IT Project Management*

Started as a **Consultant and junior PM** in big commercial and R&D European projects of the EC. Taking part in the project management of two big IT EU projects (SEI-BUD and eRMIONE). Major processes and projects strictly based on ISO specifications. Knowledge of Quality Assurance based on ISO 9001 procedures and Balanced Scorecard methods

**IT Infrastructure Library specialist** and IT Service Management responsible. Knowledge of ITIL, Prince2 and CoBIT specifications and procedures for optimal IT management & support. Creation and organization of the e-Business Division's Helpdesk, serving five concurrent framework projects (CMDB). Extensive knowledge of COCOMO II method for effective project organization and optimal base-effort calculation. Took part in the tendering procedure of EU research-based projects (IST - FP6 - PASR)

**Project SEIBUD** : The project concerns the maintenance and further development of the SEI-BUD that is the editorial and publishing system for budget documents of the EU. Took part in the project management, the tracking activities procedure, quality control and the provision of status and technical reports. The project was a J2EE based project, with SOFTWARE AG (Belgium) which involved XML tools (Xalan, Xerces), Open source software (JBoss, Tomcat, Eclipse), SUN Solaris, Oracle 9i, JBoss, Tomcat. Attended various meetings in Brussels and Luxembourg

**Project eRMIONE** : An e-learning Resource Management internet-based environment, delivering on-line services for specific educational programs on European cultural heritage domain. Took part in the overall project and technical management, quality control, e-learning interoperability analysis based on Ontology and Reusable Learning Objects, LMS design and analysis, the tracking activities procedure, quality control and the preparation of various project deliverables and work package tasks. Attended numerous conferences in Riga, Vienna, Brussels, Leuven, Madrid and Barcelona

**Project EUR-Lex** : The purpose of EUR-Lex was to keep the public informed of the legislation in force in the European Union and of new legislative acts as they are issued. The service is currently in production, is updated daily, and has a very high availability rate. Took part as a deputy Project Manager in this framework contract, in the Communication and co-ordination, performance management and the continuous improvement of the system. Attended numerous meetings and training in Luxembourg.

#### **National Technical University of Athens (2004 - present)**

*PhD Candidate and Research Associate @ Medialab, ECE*

Postgraduate courses on Data Mining, OLAP, ROLAP, Communications Technology and Information Retrieval, Algorithms and HCI. Applied research in Data Base optimization, intelligent CRM systems, web-based Energy Information Systems (energy portals, prediction analysis), Knowledge Engineering and knowledge grids from data banks, RDBM and ERD design, OLAP, distributed semantic control networks

**Project E.M.I.R.** : energy management and Intelligent Reporting information system. Analysis, conception and design of a web-based Energy Decision support system for energy analysis and cost management for the Greek sector. Matlab-based core intelligence (MSP) and JSP/Servlet container environment (Tomcat). Dynamic DSS portal for energy data mining and energy semantic-based reasoning. Submitted and protected with two Patent Numbers with no 20060100249 and 20060100287 at OBI.

**Second National Prize of Innovation 2006 contest of OTENET gaining 25.000 Euros and innovation dissemination/marketing opportunities in National and International level.**

Founder of **spin-off group INTELEN focusing** on intelligent web-based Energy Information Systems and energy knowledge management. Creation and design of the first Energy Portal of optimal energy management for medium and low voltage customers

**Project BELIEVE** : analysis and design of an e-learning PHP-based platform for blind and low visibility people. Feasibility analysis and quality control management and deliverables control. Taking part in the project management, the tracking activities procedures, quality control (QC) and the preparation of various deliverables and work package tasks (PMP)

**Project E-learning** : creator and responsible organizer of the e-learning server at Medialab and Administrator (<http://elearn.medialab.ntua.gr>). Member of the Continuing Education Center of National Technical University of Athens and responsible for on-line education, seminar analysis and overall evaluation techniques for e-learning procedures. Took part in numerous NTUA senate meetings for distance learning evaluation and suggested many ways of optimizing the procedures (multimedia technologies, flash methods etc.). Organization, design and lecturing of e-learning seminars in GIS (ArcGIS, ArcINFO), Computer Networks, Computer Architecture, Engineering & Web design (350 students approximately)

Three years research in statistical evaluation of e-learning educational methods, applied data mining and data base analysis of log files for analyzing student performance and extraction of statistical educational indexes in order to evaluate and optimize e-learning educational procedures. Research in IT e-learning interoperability, LMS and technology integration of various digital Learning Objects

**Responsible for lectures** and organizer of Executive Seminars at the National Technical University of Athens in Java, Matlab, Business Intelligence, web-based information systems, Knowledge Engineering and proposal-tutoring of various Diploma theses and research

**Over 3 years** experience as Professor and Instructor of Information Systems and Informatics for exam competitions of the Public sector and preparation for entrance to the National Public Administration School (Inter-Training Studies). Professor of Algorithmic Theory and Introduction to Programming at the American University of Athens (AUA)

**Seminars** Compuware SA, *Certified Compuware Process Consultant (ChangePoint v.11)*  
Oracle Hellas, *ORACLE Application Server 10g Administration I*  
Oracle Hellas, *Data Warehouse DataBase Design*  
Oracle Hellas, *Data Warehousing Fundamentals*  
Orthology Hellas, *Crystal Reports XI*  
AIT Intracom. *J2EE Training*  
AIT Intracom, *ICT Summer School 2005*  
Cariera Business Seminars, *CRM Technology and Practices*  
HASEME, *Analysis and Design of Electrical Installations*

**Honors & Prizes**

- Receive full scholarship from the Fondation de l'Ecole Polytechnique due to top grades in Maths and Physics
- Selected and admitted from the competitive international program for top European and overseas students to study in Polytechnique. Admitted through Pr. International (Concours) with a strict selection from top international students worldwide
- Finished the final specialization year with a high average "Honorable"

- Completed the research stage with the highest mark "A"
- National Prize for top performance "**IEE PRIZE 2000**" of IEE
- Exempt grades (1997, 1998) in first 2 years (core subjects in maths, physics, and engineering) due to high performance in the 1st and 2nd year class exams with exceptional grades
- Class Medal (1999) for best 3rd year student (rank 1st)
- British Association Prize for best 3rd year student
- British Association Scholarship for the Science Festival (Sheffield 99)
- Duff & Garland Prize (£100) for top academic performance
- Class Medal (2000) for best 4th year student (rank 1st)
- Prize of Institution of Electrical Engineers (IEE) in 2000 for best graduate Electrical Engineer and for best Honours project
- Offered a PhD position with scholarship at Cambridge University, domain of Robust Control under Prof. Glover, which I turned out...
- Admitted for an MS and PhD at Massachusetts Institute of Technology (MIT) dept. of EECS, which I turned out for personal reasons...
- Second National Prize of Innovation from OTENET in 2007
- Ranked the best new entry Researcher for 2007 in Greece from the STATUS Greek Magazine
- Candidate for the Sustenergy Award 2007 from the European Commission
- ALBA TOP-5 Prize for best Green Entrepreneurship Business Plan in 2008
- Creator of the <http://www.plugme.eu> portal for energy and environmental knowledge management
- Invited to many EU Conferences and speeches to present new ways of innovation design and management, regarding ambient web-IT Services

#### **Selected Pubs**

1. Technical Chamber of Greece Bulletin, No 2309, 6 September 2004  
*"HAARP, Psychotronics and Weather Manipulation"*
2. Technical Chamber of Greece Bulletin, No 2338, 4 April 2005  
*"Technology Applications for Environmental purposes"*
3. On-line MAG 2005 of Computer Engineers Bulletin, No 7, 1 November 2005  
*"Web-based Intelligence: A new approach..."*
4. Bulletin of Electrical and Mechanical Engineers Bulletin, No 382, 1 December 2005 - *"EMIR - Energy Management and Intelligent Reporting"*
5. N.E.O. Magazine - New Economy Observer Bulletin of February 2006  
*"Future Knowledge Management trends"*
6. White Research Paper, Medialab NTUA  
*"A new approach for optimal knowledge extraction from heterogeneous web sources, using hypercubic clustering"*  
National Technical University of Athens, Medialab NTUA, 2005
7. *"AN INNOVATIVE WEB--BASED ENERGY INFORMATION SYSTEM FOR REAL--TIME ENERGY DEMAND--SIDE MANAGEMENT USING LOCATION BASED SERVICES (LBS) OVER ADSL/3G NETWORKS"*, **Vassilis Nikolopoulos**, George Polymenopoulos, Vassili Loumos, George Ayeridis, October 2007 in Energy 2007 Conference, GREECE
8. *"E-Learning Reliability Assessment Of Multiple Choice Test Data: Method Comparison And Reliability Quality Estimation"*, Ioanna Lykourantzou,

George Bardis, **Vassilis Nikolopoulos**, Vassili Loumos, [AEA Europe](#), September in Stockholm, SWEDEN

9. "*Dynamic Reliability Assessment of Multiple Choice Tests in distributed E-Learning Environments: A Case Study*", Ioanna Lykourantzou, George Bardis, **Vassilis Nikolopoulos**, Vassili Loumos, [AIAI Conference 2007](#), September in Athens, GREECE
10. "*Web-based energy information system for optimal bi-directional behavioural control of various energy customers using ADSL hypercubic clustering and internet services (emir system)*", **Vassilis Nikolopoulos**, Vassili Loumos, Power Systems Modeling Conference 2007, ([PSM 2007](#)), June in Athens GREECE
11. "*DYNAMIC SIMULATION OF A STUDENT E-LEARNING PERFORMANCE PROFILE THROUGH WEB-BASED DATA-LOG MINING*", Nikolaos Karadimas, **Vassilis Nikolopoulos**, George Mpardis, EuroSim 2007 Conference, Slovenia July
12. "*A complete Ontological Model for effective web-based Energy Management through a Hypercubic Semantic Grid*", **Vassilis Nikolopoulos**, Vassili Loumos, 2nd Panhellenic Conference of [PSDMH](#), May 2007, Athens GREECE
13. "*A Web-based Information System for Optimal Energy Management*", **Vassilis Nikolopoulos**, Vassili Loumos, T.E.E. Energy Minimization Research Day 2006, Ac. of Sciences & NTUA
14. "*A Web-based Information System for Optimal Energy Sources Management through Ontologies and Hypercubic Clustering*", **Vassilis Nikolopoulos**, Vassili Loumos, Energy 2006 International Conference, Athens Greece
15. "*A Web-based system for optimal Energy Sources Management, through Ontologies and Semantic Clustering*", **Vassilis Nikolopoulos**, Vassili Loumos, presented at the Technical Chamber of Greece Research Conference, 2006
16. "*eRMIONE, an e-learning Resource Management System*", **Vassilis Nikolopoulos**, E.U. International Conference on Information Society - ICT Riga 2006, Riga, Latvia
17. "*A web-based statistical evaluation method for e-learning course using student logs analysis*", **Vassilis Nikolopoulos**, Ioanna Lykourantzou, Giorgos Mpardis, Vassili Loumos, Eleftherios Kayafas, ICIE 2nd International Conference on Interdisciplinarity in Education, Athens 2006
18. "*e-RMIONE an e-learning Resource Management Service for Constructing Interoperable Networks in the European Cultural Heritage Domain*", Kostas Pazalos, **Vassilis Nikolopoulos**, Euripidis Loukis, Martin Ulmann, EDEN Network International Conference 2006, Vienna, Austria
19. "*A new e-learning Resource Management Service for Interoperability Networks in the European Cultural Heritage Domain (eRMIONE)*", **Vassilis Nikolopoulos**, Martin Ulmann, Athena Thanou, International Conference on Information Communication Technology in Education, ICICTE 2006, Rhodes
20. "*Web-based Interoperable Method for Accessing E-Learning Remote Repositories using directed XML-based Remote Procedure Calls*", **Vassilis Nikolopoulos**, Nikolaos Karadimas, Ioanna Lykourantzou, Giorgos Mpardis,

Vassili Loumos, Eleftherios Kayafas, WSEAS TRANSACTIONS on COMMUNICATIONS, Issue 10, Volume 5, October 2006

21. "A web-based Energy Decision Support System for dynamic knowledge energy management and automatic intelligent reporting (EMIR)", **Vassilis Nikolopoulos**, Vassili Loumos, Eleftherios Kayafas, ELSEVIER Decision Support Systems Journal, Under preparation
22. "A new approach for optimal knowledge extraction from heterogeneous web sources, using hypercubic clustering", **Vassilis Nikolopoulos**, Medialab NTUA 2005. White research paper at Medialab
23. "Dynamic Modeling of Energy Services using the BPMN Notation and EIS", George Bardis, **Vassilis Nikolopoulos**, Vassili Loumos in AUEB FSDET 2008 Conference, Athens, GREECE
24. "Energy Profile Management based on web adaptive Algorithms and LBS Google Maps", **Vassilis Nikolopoulos**, George Bardis, Vassili Loumos in AUEB FSDET 2008 Conference, Athens, GREECE
25. "The new Philosophy of Energy Governance, based on modern Energy Information Systems", **Vassilis Nikolopoulos**, George Polymenopoulos in EnergyRes 2008 Conference/Exhibition, Athens GREECE
26. Holder of the National Patent (OBI) with **No. 1006221** with title: *A web-based Energy Search Machine and Decision Support System for optimal management and cost estimation of energy sources.*
27. Holder of National Patent (OBI) **No. 1006308** with title: *A web-based system to implement energy transactions and energy load commerce for home users through automatic energy management and energy coupon*
28. Author of the book "**Analysis and Design of Computer Networks**, published by Giurdas V. SA"
29. Invited to **speak and present solutions and ideas** as basic Speaker at:
  - a. I-Techpartner Innovation Academy (Salonica 2007)
  - b. I-Techpartner Innovation Academy (Grenoble 2008)
  - c. Microsoft Innovation Days (Athens 2008)
  - d. French Embassy and Municipality of Athens
  - e. Ministry of Technology (General Secretary 2008)
  - f. Energy 2006, 2007, 2008 conferences (Athens)
  - g. EnergyRes 2008 (Athens 2008)
  - h. EnergyRES 2009 (Athens 2009)
  - i. NEO Magazine presented by J. Bothos
  - j. STATUS Magazine MEN OF THE YEAR (2008)
  - k. Career Office TEI of ATHENS (Best Manager 2008)
  - l. KEPA of Athens University for Energy IT (2008)
  - m. Express NewsPaper (Kalofolias Group) Prize 2008
  - n. GSRT Presentation in Research and Technology (2007)
  - o. Opencoffee.gr live technology lectures
  - p. Netweek Boussias IT Governance Round Table (2008)
  - q. National Bank of Greece IT Governance Seminars (2007)
  - r. Interamerican IT Governance Seminars (2007)
  - s. Various speeches for IT Governance and ITSM (2007-08)
  - t. e-TEE InfoDay for Green ICT in Ministry of transports (2009)

- u. *OIKO Kathimerini News Paper (2009)*
- v. *Green ICT Conference from Boussias*
- w. *Real News Newspaper*
- x. *Capital Magazine*

30. Author of **over 15 Technical and Business Articles** in Magazines (*TEE, NEO, NetWeek, Business, GSRT, .COM, Retail, OIKOPOLIS, STUFF, STATUS, BuildingGreen, OIKO Kathimerini, PSDMHY, etc*)

#### **Memberships**

- Technical Chamber of Greece (TEE)
- Association Franco-Hellenic (AFREL)
- Hellenic Society of Computer Engineers & Informatics
- French-Hellenic Chamber of Commerce and Industry
- Institution of Electrical Engineers (IEE)
- Institute of Measurement and Control (IMC)
- British Computer Society (BCS)
- Institute of Electrical and Electronics Engineers (IEEE)
- French Mathematical Society (SMF)
- Association Française d'Intelligence Artificielle (AFIA)
- Société de l'Électricité et de l'Électronique de France
- Member of the EU Sustener Campaign & Manage Energy Network EU
- Member of MENSA France and International HIQ Soc (USA)

**Skills and Languages** **Greek** (Native Language)

**English** (Excellent)

**French** (Excellent)

**Spanish** (Introductory)

**Graduates Association from French Universities and Schools** (AFREL)

Founding Member, Member of the Board and responsible for technology

**Ecole Polytechnique (Military School)**, France: "7eme Compagnie" of Polytechnique, member of the Parachuting team (20 jumps) and the Judo team, the student group BEST and the ROBOTEK team.

**University of Dundee:** Full member of the Hellenic Society, Society's web administrator.

**Personal Statement** *To propose new EU Best Practices and new National Standards for Energy and IT Governance in order to provide adaptive and advanced IT Services and drive European Innovation and focused Research.*