

# Curriculum Vitae

**John K. Soldatos, Phd (September, 2017)**

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## Biographical Information



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Telephone Numbers: +30 210 668 2759 (Athens Information  
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Current Position at AIT: Associate Professor & Head of Internet-of-Things Group

## Summary

John Soldatos holds a Phd in Electrical & Computer Engineering from the National Technical University of Athens (2000) and is currently **Associate Professor at the Athens Information Technology (2006-present)** and **Honorary Research Fellow at the University of Glasgow, UK (2014-present)**. He was also **Adjunct Professor at Carnegie Mellon University, Pittsburgh, PA(2007-2010)**. Dr. Soldatos is a **world class expert in Internet-of-Things (IoT) technologies and applications**, including IoT's applications in smart cities and the **fourth industrial revolution (Industry 4.0)**.

Dr. Soldatos has played a leading role in the **successful delivery of more than fifty (50) (commercial-industrial, research and consulting) projects, for both private & public sector organizations**, incl. some complex integrated projects. He has had a leading role in **attracting more than 15 million Euro (15 M€) funding & grants** in the scope of competitive procedures towards funding more than **forty (40) innovative R&D projects and business plans** in the fields of information technology, healthcare, financial services, manufacturing, energy and more. In AIT has attracted over 6.5 M€ in research grants from EU (i.e. FP6, FP7, H2020) and national programmes. Since 2003, he has been the **principal investigator and research project manager in more than 16 R&D projects for AIT**. He is co-founder of the open source platforms OpenIoT (<https://github.com/OpenIoTOrg/openiot>) and AspireRFID (<http://wiki.aspire.ow2.org>). He has published more than 150 articles in international journals, books and conference proceedings. He has also significant academic teaching experience, along with experience in executive education and corporate training. Dr. Soldatos is regular contributor in various international magazines and blogs, as well as in social media, where he is among the influencers of the IoT community.

Dr. Soldatos has received national and international recognition through **appointments in standardization working groups, expert groups and boards**.

## Highlights (see following sections for details)

- **Attracted multi-million grants for AIT ( $\geq 6.5\text{M}$  Euro net funding during 2003-2017) and NTUA (over 2M Euro net funding, during 1999-2002), and other organizations ( $\geq 5.0$  M Euro) - He is among the most successful & experienced professionals in attracting R&D grants through competitive processes in Greece, with a proven track record across research programmes and frameworks (e.g., FP6, FP7, H2020, ICT-PSP, ARTEMIS JU, EDA).**
- Experienced Technical Project Manager & R&D Project Manager
  - Technical Manager in over 15 IT projects including large scale high budget (multi-million Euro) integrated industrial projects.
  - Technical Manager in many research and industrial projects.
- Experienced IT consultant (participation in many consulting projects) for public and private sector
  - Expert in eliciting technical requirements and producing technical specifications / RFPs
- Experienced and Competent IT/Java/Java EE / IOT Corporate Trainer:
  - Over 25 corporate training seminars in IT professionals (private and public sector), main topics: JavaEE, Oracle, RUP/XP, IoT
  - In all trainings, received top evaluation from participants.
- Academic Teaching:
  - Over 3000 hours mainly in AIT and NTUA
  - Top Evaluation from Students
- Co-Author of over 150 scientific publications in international journals (e.g., IEEE, Springer) and conference proceedings (incl. 40 journal publications and three edited books)
- Experienced Event Manager and Organizer of (large scale) events e.g.,
  - Organizing Co-Chair, 18th IEEE PIMC, September 3–7, 2007.
  - Held key organizational roles in other large conferences.
  - Coordinator of 9 Summer Schools.
- National and International Recognition through participation in several boards, expert groups, standardization bodies and committees.
- Invited Speaker and Panelist in many prominent IoT events.
- Author and Social Media Influencer on IoT, IIoT, Industry 4.0 and other technology topics.
- Expert Reviewer & Evaluator of R&D proposals and projects of the European Commission.

## Fund Raising - Grant Funding & Successful Grants

### I) Mar 2003 – October 2017, Successful grants for Athens Information Technology:

- Principal Investigator and End-to-End Editor of H2020 successful proposal SecureIoT (Predictive Security for IoT Platforms and Networks of Smart Objects) (**H2020-779899-SecureIoT** (project focuses on Predictive Cyber-Security for the Internet-of-Things based on Artificial Intelligence), (**375.000 € for AIT**).
- Principal Investigator and End-to-End Editor of H2020 successful proposal PROPHECY (Platform for rapid deployment of self-configuring and optimized predictive maintenance services) - **H2020-766994-PROPHECY** (project focuses on Industrial Internet of Things systems for predictive maintenance in manufacturing), (**410.000 € for AIT**).
- Principal Investigator and End-to-End Editor of H2020 successful proposal FAR-EDGE (Factory Automation Edge Computing Operating System Reference Implementation) - **H2020-723094-FAR-EDGE** (project focuses on Factory Automation based on Edge Computing and Blockchain Technologies), (**323.000 € for AIT**).
- Principal Investigator and Editor of H2020 successful proposal FIESTA - **H2020-643943-FIESTA** (FIRE Experimentation on IoT), (**254.000 € for AIT**).
- Instigator, Principal Investigator and Editor of FP7 successful proposal VITAL - **FP7-608682-VITAL** (STREP Project on IOT and Smart Cities), (**308.000 € for AIT**).
- Instigator, Principal Investigator and Editor of FP7 successful proposal OpenIoT - **FP7-287305-OpenIoT** (STREP Project on Internet Connected Objects), (approx. **390.000,00 € for AIT**).
- Instigator, Principal Investigator and Editor of FP7 successful proposal SMART - **FP7-287583-SMART** (STREP Project on Multimedia Search Engines), (**400.000 € for AIT**).
- Instigator, Principal Investigator and Editor of FP7 successful proposal **PROACTIVE - FP7-SEC-2011-1-285320** - (FP7-Security Project (STREP Project on Predictive Intelligence for Terroristic Attacks), (**314.000 € for AIT**).
- Instigator, Principal Investigator and Editor of FP7 successful proposal **RFID-ROI-SME** (RFID Pilot Projects for SMEs), (**201.000 € for AIT**) – Quality Manager of the whole project (ICT-PSP-250438 RFID-ROI-SME).
- Instigator, Principal Investigator and Editor of FP7 successful proposal **ASPIRE - FP7-ICT1-215417** - (Integrated Project on RFID Middleware), (**654.000 € for AIT**) – Technical Manager of the whole project.
- AIT's Principal Investigator and main contributor of FP7 successful proposal **HERMES - FP7-ICT1-216709** (STREP proposal on smart housing and ambient services for aged users (ICT and ageing)), (**576.350 € for AIT**) – Technical Director of the whole project.
- Instigator, Principal Investigator and Editor of FP7 successful proposal **my-e-Director 2012 - FP7-ICT1-215248** (STREP proposal on context-aware multi-camera selection and tailored streaming), (**365.000 € for AIT**).
- AIT's Principal Investigator and main contributor of successful proposal **MEDUSA (MEDUSA– A-0826-RT-GC** from the **European Defence Agency**), (**300.000 € for AIT**).
- AIT's Principal Investigator and main contributor of successful proposal **THIS** (Transport Hub Intelligent System)), (**40.000 € for AIT**).
- Main contributor and proposal co-editor of CHIL Integrated Project (EU FP6 funding, top ranking among 100's of IST first call proposals, **1.147.234 € for AIT**).
- Main contributor and AIT's principal investigator of GSRT co-funded project PRIAMOS (**100.000 € for AIT**, GSRT measure 3.3)
- Main contributor and AIT's principal investigator of GSRT co-funded projects Dioskouroi (Scientific Responsible, top IT/Telecom proposal in GSRT ΕΠΑΝ 8.3.6) & Prosto (GSRT measure ΕΠΑΝ 8.3.6 funding) (**15.000 € for AIT**).

### II) Industrial R&D projects (Signed in 2017-...):

- Industrial R&D Contract (**sponsor: INTRASOFT**): Business Models and Data Analytics for Predictive Maintenance (**120.000 € for AIT**).
- Industrial R&D Contract (**sponsor: INTRASOFT**): Artificial Intelligence for IoT Security (**120.000 € for AIT**).

***Other Presales Activity – Submitted Proposals – Response to Tenders and RFPs***

**I) Mar 2003 – November 2017**, preparation and submission of over 100 proposals in response of calls for proposals and/or calls for tenders

**II) 1996-2007, for NTUA / INTRACOM / and SMEs companies**, preparation of over 30 proposals for the FP4/FP5 frameworks (over 20), GSRT (over 5) industry RFPs (2), public sector tenders (over 10).

## Research Experience – Main R&D Projects

### *Running Projects*

As Senior Researcher and Technical Manager for AIT:

1. **January 2018- .... (contract signed; project starting in 2018) - H2020 SecureIoT:** AI (Artificial Intelligence) techniques for IoT Security:
  - i. Dr. John Soldatos is the Scientific Coordinator for AIT and member of the technical management board of the project.
2. **October 2017-today - H2020 PROPHECY: Industrial IoT and BigData Analytics for Predictive Maintenance:**
  - i. Dr. John Soldatos is the Scientific Coordinator for AIT and member of the technical management board of the project.
3. **October 2016-today - H2020 FAR-EDGE: Edge Computing and Blockchain Technologies for Digital Factory Automation:**
  - i. Dr. John Soldatos is the Scientific Coordinator for AIT and Technical Manager of the project.
4. **February 2015-today - H2020 FIESTA: Interoperable Experimentation over Multiple Federated Testbeds.**
  - i. Dr. John Soldatos is the Scientific Coordinator for AIT.
5. Industrial R&D Contract (**sponsor: INTRASOFT**): Business Models and Data Analytics for Predictive Maintenance (**120.000 € for AIT**).
  - i. Dr. John Soldatos is Scientific Coordinator and responsible for the contract implementation & delivery.
6. Industrial R&D Contract (**sponsor: INTRASOFT**): Artificial Intelligence for IoT Security (**120.000 € for AIT**).
  - i. Dr. John Soldatos is Scientific Coordinator and responsible for the contract implementation & delivery.

### *Past Projects*

During 2003-2015 as Senior Researcher and Technical Manager:

7. **VITAL (September 2013-November 2016):** Internet-of-Things middleware for programmable, interoperable and cost effective IoT applications in Smart Cities.
  - i. Dr. John Soldatos was the Scientific Coordinator for AIT.
8. **SMART ([www.smartfp7.eu](http://www.smartfp7.eu)) (November 2011-October 2015):** Multimedia Search Engine for Environment Generated Content (notably content derived/processed from cameras and microphones)
  - Dr. John Soldatos was the Scientific Coordinator for AIT and Technical Director of the Project.
9. **OpenIoT (Open Source blueprint for large scale self-organizing cloud environments for IoT applications) ([openiot.eu](http://openiot.eu)) (December 2011-February 2015):** Convergence of IoT and cloud paradigms – Middleware Platform for Sensor Clouds and on-demand IoT Services (e.g., Sensing-as-a-Service).
  - i. Dr. John Soldatos is the Scientific Coordinator for AIT and Technical Director of the Project.
10. **PROACTIVE ([www.fp7-proactive.eu](http://www.fp7-proactive.eu)) (May 2012-April 2015):** Internet-of-Things middleware in security applications – Application of IoT for Terrorist Actions Prediction.

- a. Dr. John Soldatos was the Scientific Coordinator for AIT.
11. **RFID-ROI-SME ICT-PSP (www.rfid-roi-sme.eu) (March10-June12):** Development, integration and evaluation of eight RFID pilots in six European countries. Related Technologies: RFID, RFID Middleware,
    - i. Dr. John Soldatos was the Quality Manager of the whole Project.
  12. **MEDUSA EDA (June 2009 – June 2012):** Sensor Fusion and Grid Middleware Technologies for Common Operational Picture in Urban Military Environments (June09-February2012). Related Technologies: Sensor Networks Middleware, Fusion Grid.
    - i. Dr. John Soldatos was the Scientific Coordinator for AIT.
  13. **FP7-215417 ASPIRE (Advanced Sensors and lightweight Programmable middleware for Innovative Rfid Enterprise applications) (www.aspire-fp7.eu) (FP7-ICT-2007-1 - ICT-2007-1.3) (January2008- June2011):** Programmable RFID middleware and low-cost hardware for added-value RFID applications. Dr. John Soldatos was the Technical Manager for the whole ASPIRE project. Total ASPIRE budget: over 6.7M€. Related Technologies: Java, Pervasive Computing Middleware, Context-Awareness, Smart spaces, A/V processing technologies.
  14. **FP7 HERMES 216709 (Cognitive Care and Guidance for Active Aging) (January2008- March2011):** Pervasive context-aware human centric technology for memory aids and cognitive training. Dr. John Soldatos was the Technical Director for the whole HERMES project. Total HERMES budget: over 5M€.
  15. **FP7 My-e-Director 2012 215248 (Real-Time Context-Aware and Personalized Media Streaming Environments for Large Scale Broadcasting Applications) (February2008- March2011):** Real time person tracking and scene analysis for personalized sports broadcasting – The user becomes the director. Related Technologies: A/V processing technologies, Scene Analysis, Person Tracking, Context-Awareness.
  16. **PRIAMOS (GSRT Measure 3.3, on Audio-Video Processing, Project Code: 26) (September 2006- March2008):** Research on software / middleware infrastructures for pervasive and ubiquitous computing. Design / implementation of techniques and tools easing the development and integration of context-aware components that rely on perceptual processing. Implementation of security/surveillance and meeting support applications. Related Technologies: Java, Semantic Web (OWL), Pervasive Distributed Systems.
  17. **CHIL FP6-506909 (January 2004- September 2007):** Research on software / middleware infrastructures for pervasive and ubiquitous computing. Design / implementation of an autonomous system supporting the integration of numerous perceptual components / interfaces towards high level services supporting human-to-human communication. Design /implementation of high performance middleware establishing a ubiquitous sensing infrastructure for in-door environments based on a variety of sensors. Related Technologies: Java, Pervasive Distributed Systems, Software Agents.
  18. **DIOSKOUROI Human Network (GSRT, measure 8.3.6) (November 2003- December 2005):** Organization and conduction of courses on IT/Telecommunications (e-health/e-government) for appropriate target groups.
  19. **PROSTO Human Network (GSRT, measure 8.3.6) (November 2003- April 2006):** Organization and conduction of courses on IT/Telecommunications/Telematics for appropriate target groups.

During 1996-2002 as Senior Researcher and Project Manager in IT and Telecommunications in the following research projects (with NTUA):

20. **LION (Layers Interworking Optical Networks) IST-1999-11387 (May2002- December 2002):** Research on adapting and using existing network control protocols (PNNI, MPLS), for controlling ASON / ASTN networks. Study of resilience schemes for Optical Networks, with emphasis on mutli-layer resilience.
21. **CATCH-2004 (Converse in Athens, Cologne and Helsinki IST-1999-11103)(January 2000-January 2001):** Leader of WP5 (work-package 5) targeting the development of multilingual databases and the implementation of data access

methods (in a J2EE environment). The databases constituted the backend tier of a multilingual, multimodal and multi device information retrieval system.

22. **IMPACT (Implementation of Agents for CAC on an ATM testbed) AC-324 (March 1998 – March 2000)**: Java based implementation of a prototype system for network control and resource management for ATM networks based on intelligent agents technology. The implementation was carried out on real network testbeds. Dr. Soldatos was managing WP1.
23. **WATT (WWW Windows for ACTS Trials and Testbeds ) AC-235 (September 1996-October 1998)**: Production of tools (Java Applets) enabling remote on-line real time monitoring of networking experiments, through the WWW. Moreover courses on ATM technology were organized. Dr. Soldatos undertook a major part of the project management.
24. **EXPERT (EXperimental Platform for Engineering Research and Trials) AC-094 (September 1997-April 1998)**: Devising, designing, and implementing experiments on a big experimental ATM network (supported by Swisscom in Basel).
25. **ΠENEΔ 99ΕΔ 92**: Traffic Control and Resource Management towards fulfilling QoS constraints.
26. **Multimedia World (February 1996 - September 1996)**: Implementation (with 3 more NTUA software engineers) of an application for Desktop Computer Supported Collaborative Work (for PCs - Windows 95/NT, MS Visual C++). Included all services (audio, video, slideshow, pointer, whiteboard, FTP-File Transfer, etc.). No similar application existed for Win32 at that time.

**In the scope of these research projects, Dr. Soldatos participated in numerous technical meetings, workshops and conferences, contributed in numerous technical reports (over 300 reports), (successful) proposals and deliverables to the European Commission.**



## Industrial Experience

### ***IT and Business Consulting Projects***

1) **July 2012-September 2012, with AIT / Merck S.A Hellas / BIONIAN Cluster:**

- Preparation of the 5-year business plan of the "BIONIAN Cluster".
- Preparation of the business plan of Merck S.A Hellas in the scope of the "BIONIAN Cluster".
- Collection, integration of information (business plans) from 24 participating organizations and submission of a relevant proposal (concerning the pilot phase of the BIONIAN cluster to the General Secretariat of Research and Technology").

Industry: Pharmaceuticals & Biotechnology

2) **February 2010-September 2011, with Greek Ministry of Economy, Development, Competitiveness and Shipping:**

- **Advisor to the Special Secretary of Digital Planning.**
- Member of the Digital Convergence Evaluation Committee for Projects submitted to "Digital Convergence".
- Pre-Evaluator of several funding proposals, submitted by Ministries and other public authorities.
- Development of a model ICT template for public sector RFPs.

Industry: Government & Public Sector

3) **March 2009 – December 2009, with Technical Chamber of Greece:**

- ICT technical consultant overseeing the development of the ICT system supporting TEE training activities ([www.e-engineers-tee.gr](http://www.e-engineers-tee.gr)).
- Member of the Project Management team, responsible for the ICT system requirements and delivery.

Industry: Technical Chamber

4) **March 2008 –April 2008, with AIT & INTRACOM IT Services:**

- JavaEE Consultant and Corporate Trainer for the ICINET Project of the General Secretariat of Information Systems (GSIS).

Industry: Public Sector

5) **Dec 2006 – April 2009, with PRC/CONVERGE S.A:**

- Technical Consultant for the **Design and Tendering on Integrated Enterprise Information System (IEIS) for the Hellenic Transmission System Operator (HTSO).**
- Responsible for IT Architecture, IT Strategy and System Integration.

Industry: ICT and Energy

6) **May04-February 2005, with Greek Research and Technology Network (GRNET):**

- eBusiness Forum, Z6 study group 'Grid Computing for E-Business', in collaboration with the Greek Research and Technology Network (GRNET): Rapporteur for this study group.
- The group investigated potential applications of Grid Computing to the Greek industry. It consulted on best practices for enterprise grid deployment, migration strategies (from existing infrastructures), potential applications and pilot deployment.

Industry: ICT and Education

## ***IT Consulting, IT Technical Management & Implementation Projects***

During 1995-2003, as IT Consultant (Technical Manager / Team Leader / Software Systems Architect / Software Engineer) in the following projects:

### **1) July 2002 – October 2003, with INTRACOM S.A:**

- Technical Team Leader responsible for implementing Loyalty Management Software Systems. The implementations were based on J2EE technology (Borland Enterprise Server 5.2, EJB2.0, EJB Patterns, Oracle 8.1.7, JBuilder 9.0)
- Two main projects: (a) Olympiakos F.C Members Management, (b) INTRACOM S.A (iSelect) Loyalty Management Product.

### **2) October 2001 – June 2002, with TEMAGON S.A (former OTE Consulting S.A):**

- Technical Manager / Team Leader of a four member group (of engineers) designing and implementing a medium scale WWW Portal, enabling administration, updating, management and monitoring tasks related to building and activating OTE access network(s).
- Implementation based on MS Internet Information Server(as WWW Server), ASP (Active Server Pages) for delivering dynamic content and MySQL RDBMS.

***OTE approved the implementation of similar applications/portals.***

### **3) July 2001 – March 2002, with IBM Hellas S.A:**

- Design and implementation of a prototype application for building Dialog Forms for Natural Language Understanding, supported by NTUA and IBM T.J. Watson Research Center.
- The first phase prototype implementation was carried out (entirely by Dr. Soldatos) using MS Visual C++ 6.0 (with extensive use of MFC).

### **4) June 2000 - January 2001, with Info Quest / Hypertech S.A (initially June 2000 – October 2000) and later (November 2000 - January 2001) with Pegasus S.A:**

- Project Manager / Technical Manager/ Team Leader (6 engineers) for the software implementation of the information portal E-GO (<http://www.e-go.gr>) (one of the biggest (11 thematic categories, more than 50 services) and most important in Greece).
- The project was carried out using J2EE technology (iPlanet Web Server, BEA WebLogic Application Server, Oracle 8.1.6 RDBMS) from a group of six developers led by Dr. Soldatos.

***The (software development) project was completed within 7 months, which is a very short period for a project/portal of that scale.***

### **5) September 1996- March 1998, with Epsilon Software S.A:**

- Participated as Software Engineer in the implementation of a novel platform for designing, building and executing Portable Hypermedia Applications based on C++ and Python programming languages.
- The project was co-funded by the ESPRIT Chameleon EP 20597 research project, which resulted in the implementation of one of the first SMIL viewers for Windows 95/98/NT.

***The project was a forerunner of the SMIL language, later adopted by the W3C consortium as a synchronized multimedia/hypermedia language.***

### **6) January 1995 - March 1996, with Criterion (now NCA (New Century Applications S.A)):**

- User Requirements, Analysis, Design, Implementation (Customization) of ORAMA (by Q&R) ERP systems, based on Oracle RDBMS and tools (RAD methodology).

## Open Source Projects & Contributions

- Dr. Soldatos was the initiator and co-founder of the AspireRFID open source project: <http://wiki.aspire.ow2.org/>
- Dr. Soldatos was an instigator and co-founder of the OpenIoT open source project: <https://github.com/OpenIoTOrg/openiot/wiki>
- Dr. Soldatos was an instigator and co-founder of the SMART open source project: <https://github.com/SmartSearch>
- Dr. Soldatos has also been major contributor in the design and implementation of the XMLNET (Programmable XML based Network Management – system).
- Dr. Soldatos has also been major contributor in the design and implementation of the ASONS (Automatically Switched Optical Networks Simulator) systems system.

## National and International Recognition

- **Member of the European Crowdfunding Stakeholders Forum Expert Group (July 2014- March 2016),** <http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&groupID=3130>
- **Honorary Research Fellow, University of Glasgow,** <https://www.gla.ac.uk/schools/computing/staff/?action=person&id=4eddea0879f>
- **European Commission Expert Review & Evaluator:** Reviewer in >=6 projects and regular participant in evaluation panels.
- **Member of the Board (Elected) in the Hellenic Association of Computer Engineers (2008-2011),** <http://www.computer-engineers.gr/english>
- **Coordinator of the Second Activity Chain of the European Research Cluster on the Internet of Things (IERC)** on "IoT Naming, Addressing and Discovery", 2012-2014.
- **Advisory Board Member for several large scale EU projects** e.g., FP7 Prosperity4ALL, FP7 SocialSensor, H2020 Symbiote.
- **Advisory Board Member of the prestigious Dianeosis Think Tank,** <https://www.dianeosis.org/about/>
- **Academic Advisor and Mentor of Several Startups & SME companies, as well as of innovation labs.**
- **Member (AIT representative) of the Alliance for IoT Innovation (AIOTI).**

## **Corporate Training (IT/ JavaEE/ Software Engineering (RUP/XP/RUP)/ Oracle)**

With Athens Information Technology (over 500h of corporate training):

1. 'Advanced Level Training in J2EE/EJB', to Intrasoft International (July 2004, 20h)
2. 'Advanced Level Training in J2EE/EJB' to INTRACOM (October 2004, 20h)
3. 'Enterprise Java for Managers', to INTRACOM / Intrasoft International (April 2005, 16 h)
4. 'Enterprise Java Systems and Technologies' to INTRACOM / Intrasoft International (November 2005, 26h)
  - a. Enterprise Java Overview
  - b. Enterprise Java for Technical Managers
  - c. Enterprise Java for Architects and Senior Developers
5. 'Software Engineering / RUP / XP' to Intrasoft International (January 2006, 8 h)
6. 'Management of Information Systems' to INTRACOM / Eurobank (May 2006, 12 h).
7. 'Java SE Prerequisites for Java EE & Training in Java EE' to Intrasoft International (July 2006, 16h).
8. 'Enterprise Java in three modules (Java EE Overview, Java EE for Technical Managers, Java EE for Developers and Architects) to Intrasoft International, Intracom TELECOM, Intracom IT Services, Comsote, OTE Academy (February 2007, 30h).
  - a. Enterprise Java Overview
  - b. Enterprise Java for Technical Managers
  - c. Enterprise Java for Architects and Senior Developers
9. 'Java EE Web Services' to Intrasoft International, OTE Academy (April 2007, 5h (co-instructor)).
10. 'Software Engineering / RUP / XP' to Intrasoft International (June 2007, 3h (co-instructor)).
11. 'Java EE Web Services' to Intrasoft International, INTRACOM TELECOM, INTRACOM IT Services, TIM, OTE Academy (December 2007, 5h (co-instructor)).
12. 'Java EE Training' to General Secretariat of Information Systems (Ministry of Economy) on behalf of INTRACOM IT Services in the scope of the ICISNET project (March 2008, 18h).
13. 'Java EE Training for Developers and Architects' to Intrasoft International, Intracom TELECOM, OTE Academy (March 2008, 12h).
14. 'Java EE Training, XML, Namespaces and Web Services' to General Secretariat of Information Systems (Ministry of Economy) on behalf of INTRACOM IT Services in the scope of the ICISNET project (April 2008, 48h).
15. 'JavaEE Training for Architects and Senior Developers', to OTE Academy, INTRACOM TELECOM and INTRALOT (June 2008, 15h).
16. 'Management of Information Systems', to OTE Academy, OTE, COSMOTE (July 2008, 15h).
17. 'JavaEE Overview', to INTRACOM IT Services, (September 2008, 12h).
18. 'JavaEE for Technical Managers', to OTE Academy, (November 2008, 15h).
19. 'Java EE Web Services' to Intrasoft International, INTRACOM TELECOM, INTRACOM IT Services, OTE Academy (May 2009, 8h (co-instructor)).
20. 'Java EE Training for Developers and Architects' to OTE Academy (December 2009, 12h).
21. 'Relational Databases and the SQL Language' to HOL (Hellas On Line) (March 2011, 10h).

To GNT Systems & NTUA (2002-2003):

1. 'Training in Java/J2EE', in-house GNT Systems (25 h)
2. 'Introductory Java Training', NTUA (20h)

In KEK Analysis and KEK of the Municipality of Athens (1999-2006):

1. Over 100 hours of courses (Dr. Soldatos is eligible for KEK certification).

2. Topics: Technological subjects/tutorials & hands-on training related to IT and Telecommunications).  
Professional Seminars on IT/Telecoms/E-health to Medical professionals of the Greek Public Health System (Dioskouroi Project 2004-2005).

## **Academic Teaching Experience**

### ***Teaching at AthensTech (2014-)***

#### **Master of Science in Management of Business, Innovation and Technology (MBIT) in collaboration with the University of Sheffield**

- Autumn 2014: «ICT for Strategic Management», co-instructor.
- Autumn 2014: «Global Virtual Enterprise», co-instructor.

### ***Teaching at Athens Information Technology (2003-2014)***

#### **Master of Science in Information Networking (MSIN) in collaboration with the Carnegie Mellon University (CMU)**

- Fall 2004, Fall 2005, Fall 2006, Fall 2007, Spring 2009: Information Systems Modelling (AIT/MSIN)
- Co-instructor in all above courses.

#### **Master of Science in Information and Telecommunications Technologies (MSITT)**

- Fall 2004 (fully responsible), Fall 2005 (fully responsible), Fall 2006 (fully responsible), Fall 2007 (co-instructor), Fall 2008 (co-instructor), Fall 2009 (co-instructor), Fall 2010 (co-instructor): Database Systems (AIT/MsITT),
- Summer 2005 (fully responsible), Summer 2006 (fully responsible), Summer 2007 (fully responsible), Spring 2008 (fully responsible), Summer 2009 (fully responsible), Summer 2011 (fully responsible), Summer 2013 (fully responsible), Summer 2014 (fully responsible): Enterprise Systems Programming (AIT/MsITT),

#### **Master of Science in Management of Business, Innovation and Technology (MBIT)**

- Spring 06' (fully responsible), Spring 07' (fully responsible), Spring 09' (fully responsible), Spring 10' (fully responsible), Spring 11' (fully responsible), Spring 13' (fully responsible), Spring 14' (fully responsible), Management of Information Systems (AIT/MBIT).

### ***Teaching Assistance and Teaching at National Technical University of Athens (1997-2002)***

- Lectures in NTUA for the postgraduate MBA programme 'Technoeconomical Systems' (2002).
- Lectures in NTUA (in the scope of the courses 'Microprocessors' (1997), 'Network Programming' (1999-2000) and 'Digital Television' (1998-2000) of the Electrical Engineering Department's Programme), Teaching Assistant for these courses.

### ***Teaching at University of the Aegean (2003-2006)***

- Visiting-Invited Lectures in the University of the Aegean, in the scope of the postgraduate program 'Technologies and Management of Information and Communication Systems', organized by the 'Department of Information and Communication Systems Engineering' (Fall 2003, Spring 2004, Spring 2005, Spring 2006).

### ***Teaching at University of the Ioannina (2000)***

- Visiting Lecture/Seminar on ATM & Broadband Networking, in the scope of the postgraduate programme, of the Physics Department, University of Ioannina (2000).

### ***Teaching at Romanian Universities (1997)***

- Lectures related to ATM, Web based network management and Video Conferencing in four Romanian Universities(Bucharest, Trigoviste, Cluj-Napoca, Timisoara) (May 1998).

## **Thesis and Independent Studies Supervised at Athens Information Technology**

1. Lazar Adzigogov "Host Load Prediction for Scheduling in the scope of a Grid Infrastructure". MSIN 2003-2004, Thesis.
2. Aliko Dona, "OODBMS Systems for persistent storage in J2EE applications", MSIN 2003-2004, Thesis.
3. Markelos Vlassopoulos, 'Information Providers for Grid Scheduling Services', MSIN 2003-2004, Thesis.
4. Ipokratis Pandis, 'Middleware Architectures for Ubiquitous Computing', MSIN 2003-2004, Thesis.
5. Grigoris Gregoriou, 'Autonomous Agents for Ubiquitous and Context-Aware Computing', MSIN 2003-2004, Thesis.
6. Nikos Dimakis, 'What happened while I was away? A ubicomp service in the AIT Smart Space', MSIN 2004-2005, Thesis.
7. Athanasion Barlas, 'Designing and Implementing Management Interfaces for Asterisk Call Centers', MSIN 2004-2005, Thesis.
8. Siamak Azodolmolky, 'Middleware Framework for Resource Management in Smart Spaces', MSIN 2004-2005, Independent Study.
9. Nikos Dimakis, 'Ambient Camera Selection in Ubiquitous Computing Services', MSIN 2004-2005, Independent Study.
10. Theocharis Kampouris, 'Real-Time Prediction of Resource Streams', MSIN 2004-2005, Independent Study.
11. Sotiris Michalakos, 'Low-Level Interface to an RFID Reader: API and Practical Applications', MSITT 2005-2006, Independent Study.
12. Achilleas Anagnostopoulos, 'Low-Level Interface to an RFID Reader: API and Practical Applications', MSITT 2005-2006, Independent Study.
13. Sotiris Michalakos, 'Virtualized Interface for MIAME Microarray Experiments over Data Grids', MSITT 2005-2006, Thesis.
14. Nikos Kefalakis, "RFID-enabled Smart library", MSITT 2005-2006, Thesis
15. Vassilis Vosiolis, 'Tools for visual development of RFID applications', MSITT 2005-2006, Thesis (in progress).
16. Kyriakos Gelntzakis, 'VoiceXML services for Voice portals', MSITT 2004-2005, Thesis.
17. Lysandros Kafkalas, 'Managing Resources in Smart Spaces', MSITT 2004-2005, Thesis (in progress).
18. Tereza Papasrantoboulou, "Managing Innovative Business Cases based on RFID technology", MBIT 2005-2006, Thesis.
19. Markos Sikalidis, 'Managing RFID Reader Networks', MSITT 2006-2007, Thesis.
20. Kostas Goudelas, 'Application Level Eventing in RFID Reader Networks', MSITT 2006-2007, Thesis.
21. Mohammad Nasr, 'Framework for Human Centric Applications in Smart Spaces', MSIN 2006-2007, Independent Study.
22. Athanasios Gianetsos, Rule based approach for locating static objects in Smart Spaces', MSIN 2006-2007, Independent Study.
23. Efthimis Metrikas, "Integrating RFID Applications and Middleware with Corporate ICT Systems", MSIN 2006-2007, Thesis.
24. Vaso Kolleti, "RFID Middleware and Tooling", MSITT 2007-2008, Thesis.
25. Dimitris Vardakas, "RFID-enabled conference support system", MSITT 2007-2008, Independent Study.
26. Manolis Drakakis, "Overview of RFID Systems and Creation of RFID Training Courses", MSITT 2007-2008.
27. Theti Tsiabali, "Networked Games over the AIT Multi-touch Surface", MSIN 2008-2009.
28. Panoraia Papathanasopoulou, "Interfacing RFID Systems to Enterprise Applications", Independent Study, MSITT 2007-2008.
29. George Katsis, "Automatic RFID Reader Configuration & Management", Independent Study, MSIN 2008-2009.



30. Konstantinos Tsolakidis, "Application Development for Multitouch Surface", Independent Study, MSITT 2007-2008.
31. Ahmed Ababneh, "Video Description Using MPEG-7", MSITT 2007-2008, Thesis.
32. Kostantinos Mourtsoukos, "Open Source ONS Implementation", Thesis, MSIN 2008-2009.
33. Christos Georgoulis, "Multi-Sensor Systems for Urban Environments", Independent Study, MSITT 2012-2013
34. Serafeim Vlastos, «Accounting/Billing Infrastructure for the Internet of Things», Thesis, MSITT 2012-2013
35. Panagiotis Kostis, «Utility Computing Infrastructure for the Internet-of-Things», Thesis, MSITT 2012-2013
36. Ioannis Episkopakis, «A Serious Game Generating Data Set for Terrorist Attacks Predictor Reasoners», Thesis, MSITT 2013-2014

## **Sample Experience with Conference Organization & Meeting/Event Management**

- Organizing Co-Chair and TPC co-chair 18th IEEE PIMC (Personal Indoor and Mobile Radio Communications), September 3rd – 7th, 2007, Athens, Greece. Major event, 1200 participants.
- Workshop Co-Chair, MANWEEK 2008, Samos island, 22-28 September, 2008.
- Organizing co-chair of the Networking session "Effectuating User Needs in ICT-Development to Support Aging and Independent Living", in the scope of the ICT2008 event in Lyon (November 2008).
- Organizing Program Committee Co-Chair, 3rd IFIP Conference on AIAI (Artificial Intelligence Applications and Innovations), June 7th-9th, 2006, Athens, Greece.
- Tutorial Chair, 14th IST Mobile and Wireless Summit, Mykonos, Greece, June 4-8th, 2006.
- Organizing Committee Co-Chair, EXPERT ATM Traffic Symposium, Mykonos island, 1997.
- Workshop Co-Chair for the DPSN04' workshop, held May 14th, 2004, in the scope of IFIP Networking 2004 conference.
- Member of the Scientific committee for the International Contactless Technologies Forum (<http://www.ictf-forum.com/>), a major event on the future of RFID and contactless technologies
- Co-organizer of a special session titled: "User centric and personalised multimedia service platforms" in the scope of DIMEA 2008 (<http://www.dimea2008.org/>).
- Technical Programme Committee Member in over 20 events (conferences, workshops, symposia) e.g., :
  - MPAC (middleware for pervasive and active computing) workshop, held in the scope of Middleware 2008.
  - WATT Symposium, Cluj Napoca, September 1998.
  - Workshop on 'User-centred design and evaluation of services for human-human communication and collaboration', October 7, 2005 - Trento, Italy, in conjunction with the International Conference on Multimodal Interfaces 2005 (ICMI'05)
  - Workshop 'World Class Solutions: Networking the Globe', held in the scope of IEEE GlobeCom 2006, November 27th – December 1st, 2006.
  - ICDDT'06, International Conference on Digital Telecommunications, August 30 - September 2, 2006, Cap Esterel, Côte d'Azur, France.
  - Also for ICDDT'07, ICDDT'08, ICDDT'09.

## **Invited Speaker and/or Panelist**

Dr. Soldatos is regularly invited speaker and panelist in major IoT-related events. Some examples follow:

- Internet of Things Week 2014, London UK, Session organizer, speaker and panelist.
- Internet of Things Week 2015, Lisbon, Portugal, Session organizer, speaker and panelist.
- Internet of Things Week 2016, Belgrade, Serbia, Session organizer, speaker and panelist.
- Internet of Things Week 2017, Geneva, Switzerland, speaker and panelist.
- "IoT and Industry 4.0", Naftemporiki Conference, December 8th, 2016, Athens, Greece.
- 6<sup>th</sup> Green Connected World, April 2014 (Talk on: "Smart Cities").
- Athens Science Digital Festival, March 2015 ("Panelist on Smart Cities & Smart Homes").
- 7<sup>th</sup> Green Connected World, June 2015 ("Smart Cities" Panelist).
- Dr. Soldatos was an invited speaker the Euractiv meeting: "RFID: Towards the Internet of Things", September 17<sup>th</sup>, 2008, along with several prominent RFID authorities and member of the European Parliament.
- Dr. Soldatos is an invited speaker in prestigious Global Forum 2008 event, in the Ambient Assisted Living section.
- Dr. Soldatos has delivered numerous Invited Talks in conferences, workshops, as well as universities, e.g.,
  - Invited/Keynote speaker in the scope of the SAISIA workshop, Karlsruhe 2006.
  - Invited speaker for talks in the IEEE Student Branch, University of the Aegean, March 2005.

## **Expert/Evaluator**

- For GSRT (Greek Secretariat for Research and Technology) proposals and running projects
  - E.g., Evaluator of PENED projects (Fall 07, Spring 08, Summer 08, Spring 09).
  - E.g., Evaluator of ENTER projects (Spring 08, Spring 09).
- For Business plans submitted to GSRT (Greek Secretariat for Research and Technology).
- For EU proposals and running projects:
  - Reviewer for the FP6 CoVES (Collaborative Virtual Engineering for SMEs) STREP project.
  - Reviewer for several FP7 Marie Curie projects (period: 01/03/2015-28/02/2016).
  - Reviewer for over 5 H2020 projects on media & security (period: 01/05/2016-today).
- Evaluator for proposals submitted to European Commission (2016-2017).

## **Review/Referee Work**

- IEEE Communication Magazine Reviewer, IEEE Communication Surveys and Tutorials Reviewer, Elsevier Computer Communications Reviewer, Reviewer for the Journal of Grid computing, Reviewer for several international conferences (e.g., IFIP Networking 2004, IFIP Networking 2005, Globecom).
- Guest Editor in the International Journal of Wireless Information Networks (November 2007).

## **Education**

- Phd (December1996-November2000): Phd, in the area of "Networks supporting Integrated Services and Interactive Multimedia Applications" in the Computer Science Division of NTUA's Electrical and Computer Engineering Department. The thesis concerned advanced frameworks for broadband network control and their implementation through network programmability concepts. Most theoretical/mathematical findings were validated through simulation, but also through experiments on real pilot networks.
- Bachelor /MSc (September 1991 – September 1996): From the Electrical and Computer Engineering Department of NTUA, with an overall performance 8, 82/10 (top 4%).
- High School: 1st Lyceum of Kifisia (1991) with a performance "Excellent" (20/20). Classified 11th (8th among first time participants) for the Electrical and Computer Engineering Department of NTUA, through the process of General Hellenic Examinations.

## ***Foreign Languages***

English: Fluent (Business Level), Cambridge Certificate of Proficiency in English (June 1996)  
German: Zertificat I (GrundStufe) (June 1990)

## Research Papers and Books

### *Journal Papers*

1. J. Soldatos, E. Vayias and N. Mitrou, "CAC and Traffic Shaping for end-to-end Performance control in ATM: the two-class paradigm", 'Journal of Computer Networks and ISDN Systems', special issue on "Performance Modelling and Evaluation of ATM Networks", vol. 34, July 2000, pp.65-83.
2. E. Vayias, J. Soldatos, J. Bigham, L. Cuthbert and Z.Luo 'Intelligent Agents for ATM Network Control and Resource Management : Experiences and Results from an implementation on a network testbed', Journal of Systems and Network Management (JSNM), in the special issue on 'Intelligent Agents for Telecommunications Management', Vol. 8, No.3, September 2000.
3. K. Kontovasilis, G. Kormentzas, N. Mitrou, J. Soldatos and E. Vayias, "A Framework for Designing ATM Network Management Systems by way of Abstract Information Models and Distributed Object Architectures", in Computer Communications, Elsevier, The Netherlands, vol. 24 (2001), pp.641-653.
4. E. Vayias, J. Soldatos, N. Mitrou, "Packet-Level Traffic Control for the Internet: a Framework and its Experimental Validation", Journal of Performance Evaluation, Elsevier (publ.), vol. 941, pp. 1-20, 2002.
5. K. Kontovasilis, G. Kormentzas, A.Kourtis, N. Mitrou, J. Soldatos and E. Vayias, "A Web-based Database System for Providing Technical Information on ATM Networking Platforms", Journal of Computing and Information Technology - CIT 11, 2003, 1, pp.1-10.
6. Sanchez-Lopez, S.; Sole-Pareta, J.; Comellas, J.; Soldatos, J.; Kylafas, G.; Jaeger, M., 'PNNI-based control plane for automatically switched optical networks', in IEEE Journal of Lightwave Technology (joint IEEE/OSA publication), vol. 21, Issue 11, November 2003, pp.2673-2682.
7. J.Soldatos, E. Vayias, P. Stathopoulos, and N.Mitrou, "Enforcing Effective Rates for Packet-Level QoS Control in IP Networks: Theory and Validation based on Real Traffic Data", Telecommunication Systems Journal, Kluwer, ISSN 1018-4864, Vol 27., pp. 9-31, September 2004.
8. L. Polymenakos and J. Soldatos, "Multimodal Web Applications: Design Guidelines and an Implementation Framework", International Journal of Web Engineering and Technology (IJWET), Vol.2, No.1, 2005, ISSN 1476-1289).
9. G. Kylafas and J.Soldatos, "An Automatically Switched Optical Networks Simulator", Computer Communications Journal (Elsevier) (publ), Vol.28/2 pp. 224-235.
10. J.Soldatos, E.Vayias, G.Kormentzas "On the Building Blocks of QoS in Heterogeneous IP networks", IEEE Communications Surveys and Tutorials, Vol.7, No.1, 1st Quarter 2005.
11. Dimitris Alexopoulos and John Soldatos, "XMLNET: A Cost Effective Network Management Architecture based on XML technologies", Journal of Systems and Network Management (Kluwer/Springer),Vol. 13, No. 4, pp. 1-27, December 2005.
12. E. Vayias, J. Soldatos, G. Kormentzas, 'Traffic Shaping based on an Exponential Token Bucket for Quantitative QoS: Implementation and Experiments on DiffServ Routers', COMPUTER COMMUNICATIONS 29 (6): 781-797 MAR 31 20 Computer Communications, Vol. 29, No.6, March 2006, pp.781-797, special issue on 'End-to-End QoS Provisioning Advances'.
13. L. Adgigogov, J.Soldatos, L.Polymenakos, 'EMPEROR: An OGSA Grid Meta-scheduler based on Dynamic Resource Predictions', Journal of Grid Computing, Vol. 3, No. 1-2. (June 2005), pp. 19-37 (Kluwer, editors-in-chief: Ian Foster, Peter Kacsuk).
14. J. Soldatos, I. Pandis, K. Stamatis, L. Polymenakos, J. Crowley, 'Agent based Middleware Infrastructure for Autonomous Context-Aware Computing Services', Computer Communications 30 (2007) pp. 577-591, special Issue on Emerging Middleware for Next Generation Networks.

15. John Soldatos and Dimitris Alexopoulos, 'Web Services based Network Management: Approaches and the WSNET System', *International Journal of Network Management (IJNM)*, Volume 17, Issue 1 (January/February 2007), pp.33-50.
16. John Soldatos, Kostas Stamatis, Siamak Azodolmolky, Ippokratis Pandis, and Lazaros Polymenakos, "Semantic Web Technologies for Ubiquitous Computing Resource Management in Smart Spaces", *International Journal of Web Engineering and Technology*, 3(4):353-373, 2007.
17. Aristodemos Pnevmatikakis, John Soldatos, Fotios Talantzis and Lazaros Polymenakos, 'Robust Multimodal Audio-Visual Processing for Advanced Context Awareness in Smart Spaces', *Personal and Ubiquitous Computing Journal (Springer)* , Vol. 11 No. 5, pp.329-337, DOI 10.1007/s00779-007-0169-9 (2007).
18. Alexander Paar, Jurgen Reuter, John Soldatos, Kostas Stamatis, Lazaros Polymenakos, 'A Formally Specified Ontology Management API as a Registry for Ubiquitous Computing Systems', *The International Journal of Artificial Intelligence, Neural Networks, and Complex Problem-Solving Technologies (Applied Intelligence)(Springer)*, Vol. 30, No. 1, pp. 37-46 (2009).
19. J. Soldatos, N. Dimakis, K. Stamatis, L.Polymenakos 'A Breadboard Architecture for Pervasive Context-Aware Services in Smart Spaces: Middleware Components and Prototype Applications', *Personal and Ubiquitous Computing Journal (Springer London)*, ISSN 1617-4909 (Print), Issue Volume 11, Number 3 / March, 2007, Pages 193-212.
20. Alexandros Kallantzis, John Soldatos and Sergios Lambropoulos, "Linear versus Network Scheduling: a Critical Path Comparison", *Journal of Construction Engineering and Management, American Society of Civil Engineers*, Volume 133, Issue 7, pp. 483-491 (July 2007).
21. Dimitris Alexopoulos, John Soldatos, George Kormentzas and Charalabos Skianis, 'UbiXML: Programmable Management of Ubiquitous Computing Resources', *International Journal of Network Management (Springer) (IJNM)*, Vol. 17, No.6, pp. 415-435 (2007)
22. Emanuel Protonotarios, Sofoklis Kyriazakos, Jorge Pereira, John Soldatos, Haris Kehagias and Nikolaos Papaoulakis 'IEEE PIMRC '07 Conference in Athens, Greece: Mastering 'Wireless Entropy', *IEEE Communications Magazine*, Vol. 45, No. 11, November 2007 (invited paper).
23. Nikolaos Dimakis, Georgios Gkekas, Ghassan Karame, Theofilos Karachristos, Stamatis Tsolakidis, John Soldatos, Lazaros Polymenakos, «Facilitating human-centric service delivery using a pluggable service development framework», *International Journal of Ad-Hoc and Ubiquitous Computing (IJAHUC)* Vol. 4(3/4), pp. 223-236 (2009).
24. Nikolaos Dimakis, John Soldatos, Lazaros Polymenakos, Pascal Fleury, Jan Curín, Jan Kleindienst, "Integrated Development of Context-Aware Applications in Smart Spaces", *IEEE Pervasive Computing* Vol. 7, No. 4, pp. 71-79 (2008).
25. Achilleas Anagnostopoulos, John Soldatos and Sotiris G. Michalakos, 'REFILL: A Lightweight Programmable Middleware Platform for Cost Effective RFID Application Development', *Journal of Pervasive and Mobile Computing (Elsevier)*, Vol. 5, Issue 1, February 2009, pp. 49-63.
26. Panos Dimitropoulos and John Soldatos, 'RFID-enabled Fully Automated Warehouse Management: Adding the Business Context', *International Journal of Manufacturing Technology and Management (IJMTM)*, Special Issue on: "AIT-driven Manufacturing and Management", *IJMTM* Vol 21, No.3/4, 2010.
27. John Soldatos, "AspireRfid Can Lower Deployment Costs", *RFID Journal*, March 16<sup>th</sup>, 2009.
28. John Soldatos, "The AspireRfid Project: Is Open Source RFID Middleware still an option?", *RFID World*, March 16<sup>th</sup>, 2009.
29. Ioannis Kanaris, Vasileios Mylonakis, Aristotelis Chatzioannou, Ilias Maglogiannis and John Soldatos, "HECTOR: Enabling Microarray Experiments over the Hellenic Grid Infrastructure", *Journal of Grid Computing*, ISSN 1570-7873 (Print) 1572-9814 (Online), Vol. 7, No. 3, September, 2009, pp. 395-416
30. Nikolaos Dimakis, John Soldatos, Lazaros Polymenakos, Axel Bürkle, Uwe Pfirrmann, Gerhard Sutschet: Agent-based architectural framework enhancing configurability, autonomy and scalability of context-aware pervasive services. *Autonomous Agents and Multi-Agent Systems* 21(1): 36-68 (2010)

31. Urdaneta, E., Buiza, C., Gonzalez, M.F., Facal, D., Geven, A., Höller, N., Tscheligi, M., Polymenakos, L., Soldatos, J., Petsatodis, T., Yanguas, JJ (2009). Addressing cognition needs in three European countries with the help of technology. *The Journal of Nutrition, Health & Aging*, 13 (1): 620.
32. Nektarios Leontiadis, Nikos Kefalakis, John Soldatos, "Bridging RFID Systems and Enterprise Applications through Virtualized Connectors", *International Journal of Automated Identification Technology (IJAIT)*, Vol. 1, No.2, 2009.
33. Vasiliki Theodoreli, Theodore Petsatodis, John Soldatos, Fotios Talantzis, Aristodemos Pnevmatikakis, 'A Low-Cost Multi-Touch Surface Device supporting Effective Ergonomic Cognitive Training for the Elderly', *International Journal of Ambient Computing and Intelligence*, 2(3), 1-18, July-September 2010.
34. Sebastiano Toffaletti and John Soldatos, "RFID-ROI-SME Project Promises Big Help for Small Business", *RFID Journal*, June 14th, 2010.
35. N. Kefalakis, J. Soldatos, N. Konstantinou, N. Prasad, "APDL: A Reference XML Schema for Process-centered Definition of RFID Solutions", *Int. Journal of Systems & Software(JSS)*, Elsevier, 84 (2011) pp. 1244-1259 (doi:10.1016/j.jss.2011.02.036).
36. Martin Serrano, Manfred Hauswirth, John Soldatos, "Design Principles for Utility-Driven Services and Cloud-Based Computing Modelling for the Internet of Things", *International Journal of Web and Grid Services (Inderscience Publishers)*, ISSN: 1741-1106 (Print), 1741-1114 (Online) Subject: Computing Science, Applications and Software and Internet and Web Services, Volume 10, Number 2–3/2014.
37. Petris S., Georgoulis C., Soldatos J., Giordani I., Sormani R., Djordjevic D., (2014), "Predicting terroristic attacks in urban environments: An internet-of-things approach", *IJSIA*, Vol.8, No.4 (2014).
38. Martin Serrano, Hoan Nguyen Mau Quoc, Danh Le Phuoc, Manfred Hauswirth, John Soldatos, Nikos Kefalakis, Prem Prakash Jayaraman, Arkady B. Zaslavsky: Defining the Stack for Service Delivery Models and Interoperability in the Internet of Things: A Practical Case With OpenIoT-VDK. *IEEE Journal on Selected Areas in Communications* 33(4): 676-689 (2015)
39. Martin Serrano and John Soldatos, "IoT is More Than Just Connecting Devices: The OpenIoT Stack Explained", *IEEE Internet of Things Newsletter*, September 8th, 2015.
40. J. Soldatos, S. Vassilaras, Georgios Kioumourtzis, George Leventakis, Francesco Tisato,, Iliaria Giordani, Raul Sormani, "A Serious Game empowering the Prediction of Potential Terroristic Actions", *Journal of Policing, Intelligence and Counter Terrorism*, 2016.

### ***Journal Editorials***

41. Kostas Karpouzis, John Soldatos and Dimitrios Tzovaras, 'Introduction to the special issue on emerging multimodal interfaces', *Personal and Ubiquitous Computing*, Journal Editorial, DOI 10.1007/s00779-007-0174-z.
42. John Soldatos and Sofoklis Kyriazakos, "Introduction to the IJWIN Special Issue: 'Physical Layer Engineering for Emerging Wireless Applications' ", *International Journal of Wireless Information Networks*, Publisher Springer Netherlands, ISSN 1068-9605 (Print) 1572-8129 (Online), Issue Volume 15, Numbers 3-4 / December, 2008, DOI 10.1007/s10776-008-0086-5, pp. 105-106

### ***Books (Edited by J. Soldatos)***

43. "Emerging Artificial Intelligence Applications in Computer Engineering", *Real World AI Systems with Applications in eHealth, HCI, Information Retrieval and Pervasive Technologies*, Volume 160 *Frontiers in Artificial Intelligence and Applications*, Editors: I. Maglogiannis, K. Karpouzis, M. Wallace and J. Soldatos, October 2007, approx. 408 pp., hardcover ISBN: 978-1-58603-780-2.
44. "4G Wireless & Mobile Communications Technologies", *River Publishers*, ISBN: 978-87-92329-02-8 & E-Book ISBN: 978-87-92329-03-5, Editors: S. Kyriazakos, J. Soldatos, G. Karetsos.

45. "Middleware Technologies for Enabling Next-generation Network Services and Applications", Editors: Thomas Magedanz, Mark Mueck, Lambros Sarakis, Masum Z. Hasan, Silvia Figueira, John Soldatos, 4th IEEE/IFIP End-to-end Virtualization and Grid Management EVGM. Sep 22-26 2008, Samos Greece. Published by Multicom Verlag, Multicon Lecture Notes - No. 9. ISBN: 3-930736-12-8.
46. "Building Blocks for IoT Analytics", John Soldatos (editor) River Publishers Series in Signal, Image and Speech Processing, November 2016, ISBN: 9788793519039, doi: 10.13052/rp-9788793519046

### ***Papers in Books***

47. M.S. Hansen, P.V. Jensen, J. Soldatos and E. Vayias, "Low-Level Control of Network Elements from an Agent Platform" Chapter 12 In: A.L.G. Hayzelden and R.A. Bourne(eds.) "Agent Technology for Communication Infrastructures" John Wiley & Sons(2001), ISBN: 0471498157.
48. Vayias, E., Soldatos, J., Mitrou, N., "An approach to Network Control and Resource Management based on Intelligent Agents", in Lecture Notes in Computer Science, J. Delgado, G. Stamoulis, A. Mullery, D. Prevedourou, K. Start (eds.), 7th Int'l Conf. on Intelligence in Services and Networks (IS&N2000) Proceedings, (Springer-Verlag), pp. 191-208.
49. Vergados D., Vayias E., Soldatos J., Drakoulis D. and Mitrou N., 'IP-based Convergence of Fixed and Cellular Networks and Services in the Light of Liberalization', in Lecture Notes in Computer Science, G. Goos, J. Hartmanis, and J. van Leeuwen (eds.), Interworking 2000 Proceedings, (Springer-Verlag), ISSN 0302-9743, pp. 51-64.
50. J. Soldatos, G. Kylafas, J. Pikramenos, B. Lianos, Sergio Sanchez and Josep Pareta, 'Implementing PNNI Signaling in the Optical Control Plane', in WSEAS TRANSACTIONS on CIRCUITS, Issue 1, Volume 2, ISSN 1109-2734.
51. Dimitris Alexopoulos and John Soldatos, 'Programmable Network Management based on the Web Services paradigm', in WSEAS Transactions on Computers, Issue 1, Vol.3, January 2004, p.250-255
52. Alexander Paar, Jurgen Reuter, John Soldatos, Kostas Stamatis, Lazaros Polymenakos, 'A Formally Specified Ontology Management API as a Registry for Ubiquitous Computing Systems', 3rd IFIP conference in Artificial Intelligence Applications and Innovations, AIAI 2006, (Springer), Series: IFIP, Vol. 204, Maglogiannis, Ilias; Karpouzis, Kostas; Bramer, Max (Eds.), 2006, XVIII, 744 p., 272 illus., Hardcover. ISBN: 0-387-34223-0.
53. Dimitris Alexopoulos, George Kormentzas and John Soldatos, 'XML Systems for Intelligent Management of Pervasive Computing Resources', 3rd IFIP conference in Artificial Intelligence Applications and Innovations, AIAI 2006, (Springer), Series: IFIP, Vol. 204, Maglogiannis, Ilias; Karpouzis, Kostas; Bramer, Max (Eds.), 2006, XVIII, 744 p., 272 illus., Hardcover. ISBN: 0-387-34223-0.
54. Aristodemos Pnevmatikakis, John Soldatos, Fotios Talantzis and Lazaros Polymenakos, 'Robust Multimodal Audio-Visual Processing for Advanced Context Awareness in Smart Spaces', 3rd IFIP conference in Artificial Intelligence Applications and Innovations, AIAI 2006, (Springer), Series: IFIP, Vol. 204, Maglogiannis, Ilias; Karpouzis, Kostas; Bramer, Max (Eds.), 2006, XVIII, 744 p., 272 illus., Hardcover. ISBN: 0-387-34223-0.
55. N. Dimakis, J. Soldatos and L. Polymenakos, "Ontology-Based Management of Pervasive Systems", in "Emerging Artificial Intelligence Applications in Computer Engineering", Real World AI Systems with Applications in eHealth, HCI, Information Retrieval and Pervasive Technologies", Volume 160 Frontiers in Artificial Intelligence and Applications, Editors: I. Maglogiannis, K. Karpouzis, M. Wallace and J. Soldatos, October 2007, approx. 408 pp., hardcover ISBN: 978-1-58603-780-2.
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