

## Personal Information

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<b>NATIONALITY</b>	Greek / Hellenic
Date of birth	28 AUGUST 1980

## RESEARCH PROJECTS

Dates (from - to)	01/01/2016 – 30/03/2017
Name of University / Institute	Athena Research and Innovation Center (🌐)
Project Title	<b>PALMIS Project</b> Product and Asset Lifecycle Management Infrastructure and Services
Role / Position	<b>Reliability Engineer - Software Engineer - Research Associate</b> Designed a semantic enrichment methodology and developed metadata management services for the expert driven integration, classification and clustering of sensor events on top of a reliability centered knowledge model.
Dates (from - to)	01/01/2011 – 19/02/2015
Name of University / Institute	Athena Research and Innovation Center (🌐)
Project Title	<b>WelCOM Project</b> (🌐) Wireless Sensor Networks for Engineering Assets Lifecycle Optimal Management
Role / Position	<b>Technical Management - Software Engineer - Research Associate</b> Produced specifications and requirements for a platform architecture that fuses information flows from condition monitoring and maintenance management services. Designed a semantic model and developed a pool of web services that facilitate the extension, sharing and utilization of an FMECA (Failure Modes, Effects and Criticality Analysis) study, for on-spot risk assessment and diagnostics, during maintenance practice. Delivered an enterprise tool and a methodology that implements a knowledge validation loop for the versioning and enrichment of FMECA knowledge.
Dates (from - to)	01/04/2009 – 28/02/2010
Name of University / Institute	Athena Research and Innovation Center (🌐)
Project Title	<b>iLearn2Main Project</b> (🌐) Industrial Training System for the Modern Enterprise Maintenance
Role / Position	<b>Content Creator - Learning Object Author - Research Associate</b> Studied, designed and created content templates and learning goals for a maintenance focused training portal. Composed and authored training material for a condition monitoring course. Managed the courses of a maintenance syllabus, with the use Moodle platform (🌐), and produced the appropriate learning objects. Supported multi-site evaluation sessions and extracted insights from user feedback.
Dates (from - to)	01/09/2008 – 29/02/2009
Name of University / Institute	Athena Research and Innovation Center (🌐)
Project Title	<b>U – Sense</b> Sensor Middleware for Embedded Intelligence in WSNs
Role in the Project	<b>Software Engineer - Research Associate</b> Studied and evaluated the prospects of sensor embedded intelligence for a Wireless Sensor Network Kit. Piloted and benchmarked the underlying middleware, the supporting APIs and compatible framework services and assessed their capacity to support customized "smart" functions.

## TEACHING EXPERIENCE

• Dates (from - to)	09/2016 – 02/2017
University / Institute	Democritus University of Thrace (🌐)
Schools or Departments	❖ Production Engineering and Management Department (🌐)
Position held	<b>Teaching Assistant</b> (Supervising 1 Undergraduate Thesis)
Courses	• Reliability and e-Maintenance (9 <sup>th</sup> semester), 1 semester
• Dates (from - to)	03/2008 – 09/2013
University / Institute	Eastern Macedonia and Thrace Institute of Technology (🌐)
Schools or Departments	❖ Informatics Engineering Department (🌐) ❖ Electrical Engineering Department (🌐)

	❖ Petroleum and Mechanical Engineering Department (🌐)
Position held	<b>Teaching Assistant - Laboratory Instructor</b> (Supervised 2 Undergraduate Thesis)
Courses	<ul style="list-style-type: none"> <li>• Object Oriented Programming (3<sup>rd</sup> semester – Informatics Eng.), <b>9</b> semesters</li> <li>• Web Programming (5<sup>th</sup> semester – Informatics Eng.), <b>4</b> semesters</li> <li>• OS Programming (3<sup>rd</sup> semester – Informatics Eng.), <b>3</b> semesters</li> <li>• Informatics I (1<sup>st</sup> semester – Petr. &amp; Mech. Eng.), <b>5</b> semesters</li> <li>• Informatics II (1<sup>st</sup> semester – Petr. &amp; Mech. Eng.), <b>4</b> semesters</li> <li>• Computer Networks (7<sup>th</sup> semester – Electrical Eng.), <b>6</b> semesters</li> </ul>

## EDUCATION

Dates (from – to)	01/09/2008 – 27/08/2016
Name of University / Institute	Production Engineering and Management Department (🌐) Democritus University of Thrace
Title of Qualification Awarded	Doctor of Philosophy (PhD)
Thesis Title	<b>Technologies and Systems for Remote Monitoring and Diagnosis Support</b> Supervisor: Prof. Pantelis Botsaris Collaborated with: Athena Research and Innovation Center (🌐)

Dates (from – to)	19/9/2005 – 23/08/2006
Name of University / Institute	School of Informatics - University of Edinburgh (🌐)
Title of Qualification Awarded	MSc in Computer Science – MSc in Software Engineering and Computer Systems ✓ <b>Major in Software Engineering</b> ✓ <b>Minor in High Performance Computing</b>
Thesis Title	<b>Development of a Personal Data Service and an Evaluation of its Performance</b> Supervisor: Dr. Stephen Davey ( NeSC Researcher ) Collaborated with: NeSC Institute (🌐) and the OGSA-DAI Team (EPCC) (🌐)

Dates (from – to)	02/10/1999 – 27/07/2005
Name of University / Institute	Computer Engineering and Informatics Department (🌐) - University of Patras (🌐)
Title of Qualification Awarded	Engineering Diploma in Computer Engineering and Informatics <b>GPA: 8.03 out of 10</b> (Ranked 3rd out of 160 in admission)
Thesis Title	<b>Hardware and Software Specifications for a Grid Serving Cluster Installation</b> Supervisor: Prof. Emmanouil Varvarigos Collaborated with: CTI (🌐) and NTS (🌐) Grade: <b>10 out of 10</b>

Dates (from – to)	1995-1998
Name of University / Institute	Kavala's Lyceum - Senior High School Senior High School Diploma - <b>19 and 7/8</b> (out of 20)

## SKILLS & INTERESTS

NATIVE LANGUAGE	<b>GREEK</b>
OTHER LANGUAGES	<b>ENGLISH (DEGREE / LEVEL: LOWER CERTIFICATE, MICHIGAN PROFICIENCY)</b>
SKILLS AND INTERESTS	<p>DEVELOPING SKILLS:</p> <ul style="list-style-type: none"> <li>❖ <i>JavaScript / Node.js - Express.js, Mongoose.js (Level: Very Good)</i></li> <li>❖ <i>J2EE (Java Servlets, J2EE) (Level: Very Good)</i></li> <li>❖ <i>HTML, CSS (Level: Very Good)</i></li> <li>❖ <i>JSON, XML, XSLT, DTD, RDF (Level: Very Good)</i></li> </ul> <p>RESEARCH INTERESTS:</p> <p>FROM THE FIRST YEAR OF MY UNDERGRADUATE STUDIES I HAVE BEEN ACTIVELY INVOLVED IN PROJECTS SOLVING ISSUES AND DEVELOPING EFFICIENT IMPLEMENTATIONS IN THE DOMAIN OF COMPUTER NETWORKS AND INTERNET SERVICES. I CONSTANTLY SEEK TO KNOW THE STATE OF THE ART AND FOLLOW ON-GOING RESEARCH LEVERAGING WIRELESS NETWORKS AND E-TECHNOLOGIES (E-SCIENCE, E-COMMERCE, E-BUSINESS). I AM</p>

	SPECIFICALLY INTERESTED IN NOVEL INFRASTRUCTURES AND ARCHITECTURES DELIVERING SOLUTIONS IN THE CONTEXT OF INDUSTRIAL INTERNET OF THINGS AND CLOUD SERVICES. ALIGNED TO THESE INTERESTS AND DISCIPLINES, I CONTINUE TO EXPAND AND UPGRADE MY SCIENTIFIC BACKGROUND AND PROGRAMMING SKILLS.
MEMBER OF	<ul style="list-style-type: none"> <li>➤ TECHNICAL CHAMBER OF GREECE ( <b>TCG</b> )</li> <li>➤ INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS ( <b>IEEE</b> )</li> <li>➤ HELLENIC MAINTENANCE SOCIETY ( <b>HMS</b> )</li> </ul>

## RESEARCH PUBLICATIONS

<i>Book Chapter(s)</i>	Emmanouilidis, C. and <b>Pistofidis, P.</b> , (2011), "Wireless Condition Monitoring and Embedded Novelty Detection", Definitions, Concepts and Scope of Engineering Asset Management, Amadi-Echendu, J.E., Brown, K., Willett, R. and Mathew, J. (eds), Engineering Asset Management Review (v1), pp. 195-238, (SPRINGER).
<i>International Journal(s)</i>	<b>Pistofidis, P.</b> , Emmanouilidis, C., Papadopoulos, A. and Botsaris, P. N. (2016), "Management of linked knowledge in industrial maintenance", Industrial Management and Data Systems, Vol. 116 No. 8, (EMERALD).
	Papathanassiou, N., <b>Pistofidis, P.</b> and Emmanouilidis, C. (2013), "Competencies development and self-assessment in maintenance management e-training", European Journal of Engineering Education, Vol. 38 No. 5, pp. 497-511, (Taylor & Francis).
<i>International Conference(s)</i>	Emmanouilidis, C., <b>Pistofidis, P.</b> , Fournaris, A., Bevilacqua, M., Durazo-Cardenas, I., Botsaris, P.N., Katsouros, V., Koulamas, C. and Starr, A.G. (2016), "Context-based and human-centred information fusion in diagnostics", 3rd IFAC A-MEST workshop 'Maintenance for Performance Enhancement', (accepted to be presented), 19-21 October 2016, Biarritz, France (IFAC).
	<b>Pistofidis, P.</b> , Emmanouilidis, C., Papadopoulos, A. and Botsaris, P. N. (2014), "Modeling the Semantics of Failure Context as a means to offer Context-Adaptive Maintenance Support", in Second European Conference of the Prognostics and Health Management Society, PHME, Nantes, France, 8-10 July 2014.
	<b>Pistofidis, P.</b> and Emmanouilidis, C. (2013), "Profiling Context Awareness in Mobile and Cloud Based Engineering Asset Management", Emmanouilidis, C., Taisch, M. & Kiritsis, D. (Eds.) Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services: IFIP WG 5.7 International Conference, APMS 2012, Rhodes, Greece, September 24-26, 2012, Springer Berlin Heidelberg, Berlin, Heidelberg, pp. 17-24
	Papathanassiou, N., Emmanouilidis, C., <b>Pistofidis, P.</b> and Karampatzakis, D. (2013), "Context Aware E-Support in E-Maintenance", Emmanouilidis, C., Taisch, M. & Kiritsis, D. (Eds.) Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services: IFIP WG 5.7 International Conference, APMS 2012, Rhodes, Greece, September 24-26, 2012, Revised Selected Papers, Part I, Springer Berlin Heidelberg, Berlin, Heidelberg, pp. 574-581.
	<b>Pistofidis, P.</b> and Emmanouilidis, C. (2012), "Developing Advanced Context Aware Tools for Mobile Maintenance", 2nd IFAC workshop on Advanced Maintenance Engineering, Services and Technology, Seville, Spain, 22-23 November 2012, IFAC, pp. 133-138.
	Giannoulis, S., Koulamas, C., Emmanouilidis, C., <b>Pistofidis, P.</b> and Karampatzakis, D. (2012), "Wireless Sensor Network Technologies for Condition Monitoring of Industrial Assets", APMS 2012 - Advances in Production Management Systems, 24-26 September 2012, Rhodes, Greece, (SPRINGER).
	Papathanassiou, N., Emmanouilidis, C., <b>Pistofidis, P.</b> and Karampatzakis, D., (2012), "E-Learning and Context Aware e-Support Software for Maintenance", COMADEM 2012, the 25th International Congress on Condition Monitoring and Diagnostic Engineering Management, Huddersfield, UK, 18-20 June 2012 (IOP Conference Series).
	<b>Pistofidis, P.</b> , Emmanouilidis, C., Koulamas, C., Karampatzakis, D. and Papathanassiou, N. (2012), "A layered e-maintenance architecture powered by smart wireless monitoring components", IEEE International Conference on Industrial Technology (ICIT), 19-21 March 2012, pp. 390-395.

	Emmanouilidis, C., <b>Pistofidis, P.</b> , Papathanassiou, N. and Labid, A. (2011), "Competencies in maintenance management: The iLearn2Main tools for training and competence assessment", 2011 IEEE Global Engineering Education Conference (EDUCON), 4-6 April 2011 2011, pp. 947-952.
	Emmanouilidis, C., Fumagalli, L., Jantunen, E., <b>Pistofidis, P.</b> , Macchi, M. and Garetti, M. (2010) "Condition monitoring based on incremental learning and domain ontology for condition-based maintenance", 11th International Conference on Advances in Production Management Systems, APMS 2010, Cernobbio, Como, Italy, 11-13 October 2010.
	Emmanouilidis, C., Papathanassiou, N., <b>Pistofidis, P.</b> and Labid, A. (2010), "Maintenance Management e-Training: What we Learn from the Users", IFAC Proceedings Volumes, Vol. 43 No. 3, pp. 36-41.
	Emmanouilidis, C. and <b>Pistofidis, P.</b> (2010), "Machinery self-awareness with wireless sensor networks: a means to sustainable operation", in 2nd workshop 'Maintenance for Sustainable Manufacturing', 12 May 2010, Verona, Italy, pp. 43-50.
	Emmanouilidis, C. and <b>Pistofidis, P.</b> (2009), "Design requirements for wireless sensor-based novelty detection in machinery condition monitoring", in 4th World Congress on Engineering Asset Management (WCEAM 2009), 28-30 September 2009, Athens, (SPRINGER).
	Emmanouilidis, C., Katsikas, S., <b>Pistofidis, P.</b> and Giordamli, C. (2009), "A Wireless Sensing Development Platform For Ubiquitous Condition Monitoring", in the 22nd International Congress on Condition Monitoring and Diagnostic Engineering Management (COMADEM 2009), June 9-11 2009, San Sebastian, Spain.
<i>Workshops</i>	<b>Pistofidis, P.</b> and Emmanouilidis, C, (2012) Advanced Context Aware Tools for Mobile Maintenance, at the PALM – DSW, Doctoral Spring Workshop "Product and Asset Lifecycle Management, Italy, 4-6 June 2012, Taormina. Italy (Sicily).
	<b>Pistofidis, P.</b> and Emmanouilidis, C, (2011) Mobile Industrial Process Agents: From sensors to mobile devices with enhanced capabilities to support sustainable operation, at the PALM – DSW, Doctoral Spring Workshop "Product and Asset Lifecycle Management, France, 9-11 May 2010, Rosières (Ardèche). France.
	<b>Pistofidis, P.</b> and Emmanouilidis, C, (2010) Sensor-embedded intelligence as a means to machinery sustainable operation, at the PALM – DSW, Doctoral Spring Workshop "Product and Asset Lifecycle Management, Spain, 17-19 May 2010, Islantilla (Huelva). Spain.