

## **Konstantinos A. KIRYTOPOULOS**

Dr.Eng. NTUA, Dipl. Mechanical Engineer NTUA  
PMP®, AgilePM®

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Marital status :Married to Dimitra LYMPERI, 2 sons



## **CAREER**

### Main occupation

2022-...	<b>National Technical University of Athens</b> , School of Mechanical Engineering, <b>Professor</b> of Project Management and Risk Management
2019-2022	<b>Associate Professor</b> of Project Management and Risk Management
2011-2013 2015-2017	<b>Assistant Professor</b> in the scientific area of Project Management
2005-2007	<b>Research and Teaching Associate</b> (Lecturer rank)
2019-...	<b>University of South Australia</b> , UniSA STEM, <b>Adj. A/Professor</b> of Project Management.
2018-2019	School of Natural & Built Environments, <b>Associate Professor</b> of Project Management.
2013-2015	<b>Senior Lecturer</b> of Construction and Project Management.
2016-2018 2011-2013	<b>Hellenic Open University. Teaching Associate</b> (SEP) in the MSc Construction Management
2007-2010	<b>University of the Aegean</b> , Financial and Management Engineering Dept., <b>Assistant Professor</b> of Project Management and Risk Analysis
2004-2007	Research and Teaching Associate (Lecturer rank)
2000-2007	<b>Freelance consultant</b> in the field of Industrial and Operations Management (specifically: Project Management, Risk Management, Decision Analysis, Business Plans, E-business)

### Research Projects (selected projects / organisations)

- 2021-2022: **Research consortium - NTUA, OCEAN FINANCE IKE, NCSR Demokritos, Volos Port Authority SA, ELOT**, Risk Management System for the design and operation of ships bunkering LNG facilities. Project funded by **EYDE - ETAK**. 783.050,00 €. Principal investigator at the Consortium level.
- 2019-2021: **Research consortium - NTUA, University of Ioannina, NCSR Demokritos, EGNATIA ODOS, TEKMON GEOMATICS**, Holistic Management of resources and emergencies on motorways and Road Tunnels through an Integrated Intelligent Technology System. Project funded by **EYDE - ETAK**. 628.952,30€. Principal investigator / Coordinator.
- 2015: UniSA, Advanced Industrialised and Prefabricated Construction: an Approach to Building Future Economies. **UniSA** seed funding project. AU\$39.950,00

- 2012-2015: NTUA, Upgrading road safety by improving road tunnel users' behavior. Project assigned by Consortium of Companies funded by **EYSED – ETAK** and **General Secretariat for Research and Technology** Greece. €98.000,00 Principal Investigator.
- 2012-2013 **NTUA – Aegean University**, A Holistic Approach for Managing Variability in Contemporary Global Supply Chain Networks. €100.000,00 Principal Investigator.
- 2006-2007: **NTUA**, A risk-based decision support system for corporate knowledge management, **Hestia Publishing House – GSRT**. €27.400,00
- 2003-2006: **NTUA**, Extended parapharmaceutical supply chain with the support of e-commerce tools. €114.000,00
- 2003-2004: **NTUA**, Risk based decision support system for offer evaluation. **GSRT**, Greece – France cooperation. €21.998,00
- 2000-2002: **NTUA**, Project Risk Management - PRIMA. European research project that dealt with risk management during the early phase of a project. €270.098,00 Work Packages Leader.

Professional Experience – Consulting (selected projects / organisations)

- 2023: ΕΜΠ, Υποστήριξη σχεδιασμού εργαλείου και μεθόδου διαχείρισης κινδύνων για την ΤΕΡΝΑ ΑΕ – εταιρικό επίπεδο. Το έργο εκτελέστηκε για την **ΤΕΡΝΑ SA**.
- 2022: Business Continuity for critical Organisations related to the supply chain of natural gas. Project assigned by the **Regulatory Authority for Energy (RAE)**.
- 2021-2022: NTUA, Risk management for the Hellinikon project proposal. Project assigned by **ΤΕΡΝΑ SA**.
- 2012-2013: NTUA, Risk analysis in road tunnels over 500m of **EGNATIA ODOS SA**. (31 road tunnels). Project assigned by **GLOBAL VIEW A.E**.
- 2009: NTUA, Preparation and support for EYSED – ETAK and GSRT for securing the managerial capability for co-funded projects and programmes of the European Support Framework 2007 – 13. Project assigned by **EYSED – ETAK** and **General Secretariat for Research and Technology**.
- 2008-2009: NTUA, Risk analysis in road tunnels (Metsovon territory). Project assigned by **EGNATIA ODOS SA**.
- 2008-2009: NTUA, Establishment of a management system for securing the managerial capability for co-funded projects and programmes. Project assigned by the **Public Funding Authority for Archaeological Works (TDPEAE)**.
- 2008: NTUA, Establishment of a management system for securing the managerial capability for co-funded projects and programmes. Project assigned by **Ilion Municipality**.
- 2008: Development of a master quality management plan for efficiently handling of quality issues in construction projects. Project assigned by **ARCON Constructions** company. Work accomplished in cooperation with **Critical Path Consultants**.
- 2007-2008: **ELOT**, Development of ELOT 1429 standard “Managerial Capability of organisations implementing projects of public interests - Requirements”. Expert of the working group WG1 / TC 95.
- 2006: Construction Project scheduling for the **ARCON Constructions** company.
- 2004: Preliminary operational risk analysis for the Thessaloniki submerged tunnel. The project was awarded by the consortium SIRAGA THERMAIKOU (**Vinci Grand Projets – J&P ABAX – NBG**).
- 2002: **Hellenic Petroleum**. Project Planning and Preparation for the implementation and activation of the SAP R/3 system.
- 2002: **AIRBUS France**, Risk Management during the production cost estimation process for new aircraft releases.
- 2001-2002: **Hellenic Petroleum**. Risk Management on SAP R/3 installation project.

### Compulsory Military Obligations

2003-2004: Corporal of the Technical Department (Army). Outlays Management Office, Rhodes - Greece. Procurement Management Office, Athens - Greece.

### Involvement in business related organisations

Member of THC (RNo: 84189), Hellenic Association of Mechanical and Electrical Engineers - HAMEE, Project Management Institute - USA, PMI Greece, PMI Adelaide, Greek Tunneling Society, Hellenic Operational Research Society (HELORS).

## **STUDIES**

### Basic Studies

2003: **Doctor of Engineering**, National Technical University of Athens (NTUA), sector of Industrial Management and Operational Research, School of Mechanical Engineering. DrEng Subject: "Risk Management in complex technological projects during the bidding process".

1999: **Diploma (Integrated Masters: Bachelor + MEng equivalent) in Mechanical Engineering**. National Technical University of Athens, Mechanical Engineer with expertise in Industrial Management and Operational Research.

### Professional Qualifications

2015: **Agile Project Management Practitioner** by the APMG-International, UK.

2012: **Accredited trainer of continuing vocational training** by the Greek National Organisation for Accreditation of Qualifications & Vocational Guidance.

2007: **PMP: Project Management Professional®** accredited by Project Management Institute, USA – *currently active*.

### Languages

**Greek** (native speaker), **English** (full working proficiency)

## **DISTINCTIONS**

2022: **Teaching commendation** for outstanding teaching in student series 2019-2021 of Part-Time MBA, Athens University of Economic & Business (AUEB).

2018: Emerald **Literati Award**: Highly commended [article](#) (research paper on optimism bias in project management), Emerald Publishing.

2018: **Outstanding contribution in Reviewing**, Elsevier, Tunnelling and Underground Space Technology journal.

2018: **Outstanding contribution in Reviewing**, Elsevier, Computers & Industrial Engineering journal.

2014: **Winner** of the five Minutes Research Thesis (5MRT), 2014 NBE Research Colloquium, University of South Australia.

2017-2018: **Subject Matter Expert** (core development team) for ISO 21508: Earned value management in project and programme management.

2012-...: **Representative-Subject Matter Expert of ELOT/Greece** at ISO **TC 258** Project, programme and portfolio management.

2011-2013: **General Secretary** of the **Board of Directors** of the **Hellenic Institute of Production and Operations' Management**, HMA.

2011: **Subject Matter Expert Reviewer** – Risk Management - **ANSI PMBOK 5<sup>th</sup> ed**, Project Management Institute.

2008-2013: **Representative-Subject Matter Expert of ELOT/Greece** at ISO TC236 for the development of ISO21500 Project Management Standard.

2007-2010: **Risk SIG Liaison** in Greece. Acts as the link between the Greek members of the Project Management Institute and the Risk SIG – PMI component.

2003: Earned Special Distinction from the General – Commander of South Aegean Force for my performance in the Sergeants’/Corporals’ training school.  
 2002: Earned **NTUA’s fellowship** for the fulfilment of the PhD studies.  
 2000: Earned **Award** from the Technical Hellenic Chamber (THC), due to the outstanding performance during the last year of studies in the Mechanical Engineering School of NTUA.

## **ACADEMIC ACTIVITY**

### Teaching performance

Consistently ranking among the top tutors in student evaluations. Highlights:

2022: Teaching commendation 2019-2021 from Part-Time MBA, AUEB.

2018: UniSA, Masters in PM, post-grad, 1 out of all tutors, score: 96 [-100 to 100]

2015: UniSA, Masters in PM, post-grad, 1 out of all tutors, score: 98 [-100 to 100]

2009: NTUA, AthensMBA, post-grad, 2 out of 26 tutors, score: 88 [0-100]

### Courses Taught

#	Course	University	Level	Acad. Years
1.	<b>Project and Programme Management</b>	NTUA-AUEB	Post-graduate	(2008-2013; 2016-2018; 2019-...)
2.	<b>Total Quality Management</b>	NTUA-AUEB	Post-graduate	(2016-2017; 2019-...)
3.	<b>Economics of Construction</b>	HOU	Post-graduate	(2011-2013; 2016-2018; 2019-...)
4.	<b>Project Management</b>	AUEB	Post-graduate	(2020-...)
5.	Project Control Methods (BUSS 5163)	UniSA	Post-graduate	(2018-2019)
6.	Project Control Methods (MPM 414)	OUA	Post-graduate	(2018-2019)
7.	Project and Risk Management	UniAegean	Post-graduate	(2005-2011)
8.	Project Management	AIT	Post-graduate	(2007-2008)
9.	<b>Project Management</b>	NTUA	Under-graduate	(2003-2007; 2010-2013; 2015-2017; 2020-...)
10.	Operations Research I	NTUA	Under-graduate	(2010-2013; 2015-2017)
11.	<b>Business Game</b>	NTUA	Under-graduate	(2011-2013; 2016-2017; 2019-...)
12.	<b>Decision Support Systems</b>	NTUA	Under-graduate	(2006-2007; 2010-2013; 2015-2017; 2019-)
13.	<b>Risk Management &amp; Business Continuity</b>	NTUA	Under-graduate	(2020-...)
14.	<b>Quality Management</b>	NTUA	Under-graduate	(2005-2006; 2021-...)
15.	Project Management	UniAegean	Under-graduate	(2004-2011)
16.	Risk Analysis	UniAegean	Under-graduate	(2004-2011)
17.	Occupational Health & Safety	NTUA	Under-graduate	(2005-2007)
18.	Production Scheduling and Control I	NTUA	Under-graduate	(2004-2007)
19.	Business Game	UniAegean	Under-graduate	(2006-2010)
<i>Courses currently taught are <b>in bold</b></i>				
<b>AIT:</b> Athens Information Technology   <b>AUEB:</b> Athens University of Economics & Business				
<b>HOU:</b> Hellenic Open University   <b>NTUA:</b> National Technical University of Athens				
<b>OUA:</b> Open Universities Australia   <b>UniAegean:</b> University of the Aegean				
<b>UniSA:</b> University of South Australia				

## Publications

Scopus h-Index: 16 (excluding self-citations of all authors)

For publications appearing in **Scopus** [click here](#).

For publications appearing in **Google Scholar** [click here](#).

## Strict selection of publications:

### **Books**

1. Κηρυττόπουλος, Κ. 2021, [Διαχείριση Κινδύνων σε Έργα και Οργανισμούς](#), Εκδόσεις Κλειδάριθμος, Αθήνα.
2. Kirytopoulos, K., Voulgaridou, D. and Leopoulos, V. 2010, 'Upgrading effectiveness in VEs: Decision framework based on the Benefits, Opportunities, Costs and Risks (BOCR) model, in Ponis, S. (ed), *Managing Risk in Virtual Enterprise Networks: Implementing Supply Chain Principles*, IGI Global, 263-289.
3. Κηρυττόπουλος, Κ. 2006, [Εγχειρίδιο Διαχείρισης Κινδύνων Έργων](#), Εκδόσεις Κλειδάριθμος, Αθήνα. (Handbook of Project Risk Management - book published in Greek).

### *In international journals (peer reviewed)*

1. Lee, J., [Kirytopoulos, K.](#), Pervez, A. & Huang, H. 2022, "Understanding Drivers' Awareness, Habits and Intentions inside Road Tunnels for Effective Safety Policies", *Accident Analysis and Prevention*, 172(July 2022), 106690.
2. Stanitsas, M. & [Kirytopoulos, K.](#) 2021, "Underlying factors for successful project management to construct sustainable built assets", *Built Environment Project and Asset Management*, 12(2), 129-146.
3. Derakhshanfar, H., Ochoa Paniagua, J., [Kirytopoulos, K.](#), Mayer, W. & Langston, C. 2020, "A cartography of delay risks in the Australian construction industry: impact, correlations and timing", *Engineering, Construction and Architectural Management*, 28(7), 1952-1978.
4. Kalogeropoulos, T, Leopoulos, V, [Kirytopoulos, K](#) & Ventoura, Z 2020, 'Project-as-Practice: Applying Bourdieu's Theory of Practice on Project Managers', *Project Management Journal*, 51(6), 599-616.
5. Le Phuong, T, Chileshe, N, [Kirytopoulos, K](#) & Rameezdeen, R 2020, 'Investigating the significance of risks in BOT transportation projects in Vietnam', *Engineering, Construction and Architectural Management*, 20(6), 1401-25.
6. Prater, J, [Kirytopoulos, K](#) & Ma, T 2019, 'Dilbert Moments: Exploring the Factors Impacting Upon the Accuracy of Project Managers' Baseline Schedules', *International Journal of Information Technology Project Management (IJITPM)*, 10(2), 29-40.
7. Ntzeremes, P. & [Kirytopoulos, K.](#) 2018, "Applying a stochastic-based approach for developing a quantitative risk assessment method on the fire safety of underground road tunnels", *Tunnelling and Underground Space Technology*, Elsevier, 81, 619-631.
8. [Kirytopoulos, K](#), Kazaras, K, Papapavlou, P, Ntzeremes, P & Tatsiopoulou, I 2017, 'Exploring driving habits and safety critical behavioural intentions among road tunnel users: A questionnaire survey in Greece', *Tunnelling and Underground Space Technology*, 63, 244-51.
9. Prater, J, [Kirytopoulos, K](#) and Ma, T 2017, 'Optimism bias within the project management context: A systematic quantitative literature review', *International Journal of Managing Projects in Business*, 10(2), 370-385. **Emerald Literati Award winning paper: Highly commended article 2018.**
10. Blixt, C. and [Kirytopoulos, K.](#) 2017, "Challenges and competencies for project management in the Australian Public Service", *International Journal of Public Sector Management*, 30(3), 286-300.

11. Qazi, A, Quigley, J, Dickson, A & Kirytopoulos, K 2016, 'Project Complexity and Risk Management (ProCRiM): Towards modelling project complexity driven risk paths in construction projects', *International Journal of Project Management*, 34(7), 1183-1198.
12. Kazaras, K., Kontogiannis, T. and Kirytopoulos, K. 2014, 'Proactive assessment of breaches of safety constraints and causal organizational breakdowns in complex systems: A joint STAMP-VSM framework for safety assessment', *Safety Science*, 62, 233-247.

*In international conference proceedings (peer reviewed).*

1. Kirytopoulos, K., Mourelatos, A, Chatzistelios, G., Ntzeremes, P. & Konstantinidou, M. 2021, 'Employing serious games to increase safety in driving through road tunnels', in Bruno Castanier, Marko Cepin, David Bigaud and Christophe Berenguer (eds), *Proceedings of the 31<sup>st</sup> European Safety and Reliability Conference (ESREL 2021)*, European Safety and Reliability Association, Research Publishing, Angers, France, 19-23 September, 1069-1075.
2. Kirytopoulos, K., Ntzeremes, P., Chatzistelios, G., Saramourtsis, A., Tsantsanoglou, A. & Konstantinidou, M. 2020, 'How much do Greek drivers know about safety when driving through road tunnels?', in Piero Baraldi, Francesco Di Maio and Enrico Zio (eds), *Proceedings of the 30<sup>th</sup> European Safety and Reliability Conference (ESREL 2020)*, European Safety and Reliability Association, Research Publishing, Venice, Italy, November 1-6, published electronically, paper number 4108. <https://www.rpsonline.com.sg/proceedings/esrel2020/html/4108.xml>
3. Prater, J., Kirytopoulos, K., & Ma, T. 2019, 'An Investigation of Estimation Techniques for Information Technology Projects', *Proceedings of the 2019 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*, Macao, Macao, 15 Dec - 18 Dec 2019, IEEE, 779-783. <https://ieeexplore.ieee.org/document/8978554>
4. Kalogeropoulos, T., Leopoulos, V., Kirytopoulos, K., Panagiotopoulos, N. & Ventura, Z. 2018, "Project as practice: A Bourdieuan approach", *e-Proceedings of the European Academy of Management Conference (EURAM 2018)*, University of Iceland, Reykjavik, Iceland, June 19-22, pp. 1-32.
5. Ntzeremes, P. & Kirytopoulos, K, 2018, "A stochastic-based evacuation model for risk assessment in road tunnel fire accidents and the importance of educating users", in Haugen, Barros, van Gulijk, Kongsvik & Vinnem (eds), *Proceedings of the 28<sup>th</sup> international european safety and reliability conference (ESREL 2018)*, CRC Press, Trondheim, Norway, June 17-21, pp. 2185-2191.
6. Jepson, J, Kirytopoulos, K 2016, 'Investigating the usage of risk management tools and techniques in the construction industry: a literature perspective', in R Ruiz & R Alvarez-Valdes (eds), *Proceedings of the 15<sup>th</sup> International Conference on Project Management and Scheduling*, Universitat de València, 73-176.
7. Chatzoglou, K, Rokou, E & Kirytopoulos, K 2015, 'Progress@NTUA: Training Engineers in Project Scheduling', in S Ahmed et al (eds), *The Proceedings of the 8<sup>th</sup> International Conference on Construction in the 21<sup>st</sup> Century*, Thessaloniki, Greece, May 27-30, CITC-8, pp. 486-492.
8. Rassias, N. and Kirytopoulos, K. 2014, 'Evaluating risk factors in the operation of virtual teams in ICT projects', in Ahmed, P., Jiao, R., Teh, PL. and Xie, M. (eds), *Proceedings of the 2014 International Conference on Industrial Engineering and Engineering Management (IEEM)*, Selangor, Malaysia, 9 Dec - 12 Dec 2014, IEEE, CD-ROM Proceedings.
9. Rokou, E., Kirytopoulos, K. and Drivaliaris, D. 2014, 'Towards integrating extensions of resource constrained project scheduling problem', *Proceedings of the 14<sup>th</sup> International Conference on Project Management and Scheduling*, TUM School of Management, March 30<sup>th</sup> - April 2<sup>nd</sup>, Munich, pp. 197-201.
10. Kirytopoulos, K., Rentizelas, A., Kazaras, K. and Tatsiopoulos, I. 2010, 'Quantitative operational risk analysis for dangerous goods transportation through cut and cover

road tunnels’, *Proceedings of ESREL 2010 Conference*, Taylor & Francis, Rhodes 5-9 September, 167-172.

11. Kirytopoulos, K., Voulgaridou, D. and Leopoulos, V. 2010, ‘Too many cooks spoil the broth, or may be not?’, *Proceedings of the 2010 PMI Global Congress EMEA*, Project Management Institute, Milan, Italy, CD-ROM proceedings.

#### Invited seminars – lectures given (selection)

- 2018, Keynote speaker for the International Seminar on Disaster and Risk Management for Roads, 7-9 Nov 2018 Hanoi, Vietnam, **World Road Association (PIARC)** TC E.3 and TC A.3, Topic: Designing and Implementing Effective Drills - Lessons Learned from Road Tunnels.
- 2018, Presentation at the **Project Management Institute, Adelaide Chapter**. Topic: Risks Are There, Be Aware! Tips and Tricks for Project Risk Management.
- 2014, Participant in panel “Contribution of data analytics to risk management”, 2014 International Conference on Industrial Engineering and Engineering Management (IEEM), Selangor, Malaysia, 9 Dec – 12 Dec 2014, IEEE.
- 2013, Presentation at the **Hellenic Association of Mechanical and Electrical Engineers** – Athens. Presentation entitled: Risk management according to ISO31000/2009: Casus belli or peace treaty?
- 2010, Presentation at the **PMI Global Congress EMEA** – Milan. Presentation entitled ‘Too many cooks spoil the broth, or may be not?’.
- 2008, Presentation at the **22<sup>nd</sup> IPMA World Congress**, IPMA, Rome. Presentation entitled “No bee no honey, no risk no money!”.
- 2007: Presentation at the **PMI Global Congress EMEA** – Budapest. Presentation entitled “Incorporating risks in schedule development. You have the tools, can you get the info?”.
- 2007: Keynote speaker at “Project Risk Management Event” that took place on the 22<sup>nd</sup> Feb. 2007 at **OTE Academy** and was organised by the **Project Management Institute** (Greek chapter). Speech subject: Presentation of the book “**Project Risk Management Handbook**” (published in Greek).
- 2006: Internal seminar at **HELLENIC TELECOMMUNICATIONS & POST COMMISSION** on “Project Management” (co-operation with **Planning Consultants**).
- 2006: Seminar for construction industry managers, through the **Human Development Authority of Cyprus**, on “Project Management” (co-operation with Planning Consultants Cyprus).

#### PhD Theses supervision

Supervision of 6 successfully completed PhD Theses as primary supervisor and 2 as co-supervisor in the scientific field of project and risk management. Currently supervising (principal supervisor) 5 students.

#### Theses supervision

Supervision of more than 100 successfully completed Theses at graduate and post-graduate level most of them related to Project Management and Risk Analysis.

#### **SOCIAL ACTIVITIES**

Tennis, First aid.

*Athens, August 2023*

*Faithfully,*

*Konstantinos KIRYTOPOULOS*