

Europass Curriculum Vitae



Personal information

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Nationality

Greek

Date of birth

24/05/1976

Work experience

Dates

April 2001 onwards

Occupation or position held

Research scientist (Senior since 2017)

Systems Reliability and Industrial Safety Laboratory (SRISL) is a very active institution in the field on industrial safety in national and European level. Acting as a main consultant of the Greek regulatory authorities dealing with the SEVESO directive SRISL is issuing guidelines and manuals on national level for the implementation of the directive. As a member of SRISL research team I have participated in numerous projects and evaluations dealing with the following items:

- Safety Analysis of industrial plants,
- Quantified Risk Assessment for industrial installations (chemical, oil and gas, etc.)
- Consequence Analysis for industrial accidents,
- Industrial safety of offshore oil and gas installations
- Human Reliability Analysis using human-cognition methodologies,
- Land use planning and Emergency response planning,
- Emerging risks and Na-Tech accidents analysis,
- Statistical analysis of accidents and incidents in the offshore industry (including near misses),
- Evaluation of Safety Management Systems in process industries,
- Development of Safety Management Systems guidelines
- Safety audits in industrial installations,
- Comparison of safety policies across different countries,
- Occupational Quantified Risk Assessment,
- Organization of the Greek Technological Platform on Industrial Safety,
- Evaluation of safety assessment reports for most of the SEVESO plants in Greece,
- Issuing of Guidelines and Safety manuals for different industrial sectors

Name and address of employer

NCSR DEMOKRITOS - Systems Reliability and Industrial Safety Laboratory (SRISL)
Patr. Grigoriou and Neapoleos str., 15310 Athens, Greece

Dates	March 2016 – December 2018
Occupation or position held	Supporting the activities of the Offshore Safety Unit - JRC Ispra
Main activities and responsibilities	Support to the development of the Virtual Centre of Offshore Safety Expertise (VICOS). Training to offshore CAs on “Assessment of Reports on Major Hazards”. Development of methodology to analyse the set-up and functioning of CAs.
Name and address of employer	Joint Research Center of the European Commission (Ispra) – Unit C.03, Via E. Fermi 2749, Italy.
Dates	October 2012 – March 2013
Occupation or position held	Post – doc research on Security of Energy Supply - Offshore Oil and Gas
Main activities and responsibilities	Scientific support to the European Directive 2013/30/EU on “Safety of offshore oil and gas operations and amending Directive 2004/35/EC”. Technical secretariat of the EU Offshore Authorities Group. Accident analysis of past accidents in the offshore oil and gas sector. Assessment of safety performance indicators for the offshore oil and gas sector.
Name and address of employer	Joint Research Center of the European Commission (Ispra) – Institute of Energy and Transport. F03 Unit, Via E. Fermi 2749, Ispra –Italy.

Education and training

Dates	2002 - 2008
Title of qualification awarded	Ph.D. on Industrial Safety
Name and type of organisation providing education and training	National Technical University of Athens – School of Chemical Engineering
Dates	2005 - 2006
Title of qualification awarded	M.Sc. in Computational engineering
Name and type of organisation providing education and training	National Technical University of Athens - Inter-departmental postgraduate course
Dates	1995 - 2001
Title of qualification awarded	Degree in Chemical Engineering
Name and type of organisation providing education and training	National Technical University of Athens - School of Chemical Engineering
Dates	1998 - 2000
Title of qualification awarded	Degree in Chemical Engineering (Laurea) Double Degree in Chemical Engineering within the project T.I.M.E. (Top of Industrial Managers in Europe)
Name and type of organisation providing education and training	Politecnico di Milano – Department of Industrial Chemistry and Chemical Engineering

Note: TIME ASSOCIATION is a leading association for the training of bi-cultural, bilingual engineers. Students that participate in TIME are chosen from amongst the best in their respective Universities, and study for a total of five or six years. At the end of the studies, students are awarded two Masters-level Degrees from the two different countries.

Personal skills and competences

Mother tongue(s)	Greek
Other language(s)	English, French, Italian

Committees	<p>Member of the Technical Committee of the European Safety and Reliability Conference (ESREL) 2016, 2017, 2019, 2020</p> <p>Member of the Technical Committee of the European Conference HWORKLOAD 2017, 2018, 2019</p> <p>Organizer of the workshop “Onshore and offshore industrial safety” for the 3rd Hellenic Forum for Science, Technology and Innovation, NCSR Demokritos, 2015</p> <p>Member of the Scientific Committee of SAFE CHANIA Conference “The Knowledge Triangle in the Civil Protection Service”, 2015</p> <p>Member of the Organizing and Technical Committee of the European Safety and Reliability Conference (ESREL) 2010</p>
Reviewer	<p>Reviewer in the following scientific journals:</p> <ul style="list-style-type: none"> • Journal of Loss Prevention in the Process Industries, Elsevier Publishing Company • Risk Analysis: An International Journal of the Society for Risk Analysis, Wiley - Blackwell • Information Sciences, Elsevier Publishing Company • Safety Science, Elsevier Publishing Company • Nuclear Engineering and Design, Elsevier Publishing Company • Sustainability, MDPI • Alexandria Engineering Journal, Elsevier Publishing Company • Computers in Industry, Elsevier Publishing Company • Tunnelling and Underground Space Technology, Elsevier Publishing Company • The Canadian Journal of Chemical Engineering, Wiley • Industrial & Engineering Chemistry Research, ACS • Advances in Fuzzy Systems, Hindawi Publishing Corporation
Memberships	<p>Member of the:</p> <p>Technical Chamber of Greece (TEE)</p> <p>Pan-Hellenic Association of Chemical Engineers (ΠΣΧΜ)</p>
Forums and Networks	
Dates	2014 - 2015
Occupation or position held	Safety expert in the Regional Network for Collaboration on ‘Safety and Environmental Protection of Offshore Oil and Gas Operations in the Eastern Mediterranean Region’
Main activities and responsibilities	Acting as expert in the East Med Regional Network of cooperation between the academia and the companies who are active in the offshore exploration and exploitation in the region (Noble Energy, Eni, Total E&P, Schlumberger, BP gas)
Dates	2013 - 2014
Occupation or position held	Observer - Safety expert
Main activities and responsibilities	Acting as observer and invited speaker in the closed workshops on “Hydrocarbon resources in the Eastern Mediterranean: challenges and options” and “Offshore Safety in the Eastern Mediterranean: towards regional cooperation” which have been held by Wilton Park (an executive agency of the Foreign and Commonwealth Office, UK) and the German Marshall Fund of the United States.
Dates	2004 - onwards
Occupation or position held	Invited speaker – Safety expert
Main activities and responsibilities	Invited speaker and participant in the closed periodical forums of the Greek Petrochemical Industry on Safety, Health and Environmental Issues.

PUBLICATIONS

Books

1. Olga Aneziris, Zoe Nivolianitou, Myrto Konstantinidou, Emmanuel Plot, George Mavridis, “Knowledge management in total safety for major hazards plants” in Total Safety and the Productivity Challenge, 2019, published by Routledge, Taylor and Francis Group.
2. Zoe Nivolianitou and Myrto Konstantinidou, “A Fuzzy Modeling Application for Human Reliability Analysis in the Process Industry” in Human Factors and Reliability Engineering for Safety and Security in Critical Infrastructures Decision Making, Theory, and Practice, 2018, Springer.

Publications in Scientific Journals

1. O. N. Aneziris, Z. Nivolianitou, M. Konstandinidou, G. Mavridis, E. Plot, "A Total Safety Management framework with in case of a major hazards plant producing pesticides", 2017 Safety Science 100
2. Kirytopoulos, K., Konstandinidou, M., Nivolianitou, Z., Kazaras, K. "Embedding the human factor in road tunnel risk analysis", Process Safety and Environmental Protection, Volume 92, Issue 4, July 2014
3. O.N. Aneziris, I.A. Papazoglou, M. Konstantinidou, Z. Nivolianitou, "Integrated risk assessment for LNG terminals", Journal of Loss Prevention in the Process Industries, Volume 28, Issue 1, 2014
4. Baraldi, P., Sogaro, A., Konstandinidou, M., Nivolianitou, Z., "An interface for enhancing repeatability in Human Reliability Analysis", International Journal of Performability Engineering 9 (2) 2013
5. Kazaras, K., Konstandinidou, M., Nivolianitou, Z., Kirytopoulos, K., "Enhancing road tunnel risk assessment with a fuzzy system based on the CREAM methodology", Chemical Engineering Transactions 31, 2013
6. A. Monferini, M. Konstandinidou, Z. Nivolianitou, S. Weber, T. Kontogiannis, P. Kafka, A.M. Kay, M.C. Leva, M. Demichela, "A compound methodology to assess the impact of human and organizational factors impact on the risk level of hazardous industrial plants", Reliability Engineering & System Safety, Volume 119, November 2013
7. O.N. Aneziris, I.A. Papazoglou, M. Konstandinidou, H. Baksteen, M. Mud, M. Damen, L.J. Bellamy, J. Oh, "Quantification of occupational risk owing to contact with moving parts of machines", Safety Science, Volume 51, Issue 1, January 2013
8. Eftychia C. Marcoulaki, Ioannis A. Papazoglou, Myrto Konstandinidou, "Prediction of occupational accident statistics and work time loss distributions using Bayesian analysis", Journal of Loss Prevention in the Process Industries, Volume 25, Issue 3, May 2012
9. Myrto Konstandinidou, Zoe Nivolianitou, Eirini Kefalogianni, Chrys Caroni, "In-depth analysis of the causal factors of incidents reported in the Greek petrochemical industry", Reliability Engineering & System Safety, Volume 96, Issue 11, November 2011
10. Eftychia C. Marcoulaki, Myrto Konstandinidou, Ioannis A. Papazoglou, "Dynamic failure assessment of incidents reported in the Greek Petrochemical Industry" Computer Aided Chemical Engineering, Volume 29, 2011
11. Ioannis A. Papazoglou, Olga Aneziris, Myrto Konstandinidou, Ieronymos Giakoumatos, "Accident sequence analysis for sites producing and storing explosives", Accident Analysis & Prevention, Volume 41, Issue 6, November 2009
12. M Konstandinidou, Z Nivolianitou, C Kiranoudis, and N Markatos, "Evaluation of significant transitions in the influencing factors of human reliability", Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, Volume 222, Issue 1, 2008.
13. Nijs Jan Duijm, Cécile Fiévez, Marko Gerbec, Ulrich Hauptmanns, Myrto Konstandinidou, "Management of health, safety and environment in process industry", Safety Science, Volume 46, Issue 6, July 2008.
14. Zoe Nivolianitou, Myrto Konstandinidou, Chris Kiranoudis, Nikolaos Markatos, "Development of a database for accidents and incidents in the Greek petrochemical industry", Journal of Loss Prevention in the Process Industries, Volume 19, Issue 6, November 2006.
15. Zoe Nivolianitou, Myrto Konstandinidou, Christou Michalis, "Statistical analysis of major accidents in petrochemical industry notified to the major accident reporting system (MARS)", Journal of Hazardous Materials, Volume 137, Issue 1, 1 September 2006.
16. Myrto Konstandinidou, Zoe Nivolianitou, Nikolaos Markatos, Chris Kiranoudis, "Statistical analysis of incidents reported in the Greek Petrochemical Industry for the period 1997–2003", Journal of Hazardous Materials, Volume 135, Issues 1-3, 31 July 2006.
17. Myrto Konstandinidou, Zoe Nivolianitou, Chris Kiranoudis, Nikolaos Markatos, "A fuzzy modeling application of CREAM methodology for human reliability analysis", Reliability Engineering & System Safety, Volume 91, Issue 6, June 2006.
18. Z. S. Nivolianitou, V. N. Leopoulos, M. Konstantinidou, "Comparison of techniques for accident scenario analysis in hazardous systems", Journal of Loss Prevention in the Process Industries, Volume 17, Issue 6, November 2004.
19. F. Rigas, M. Konstandinidou, P. Centola, G. T. Reggio, "Safety analysis and risk assessment in a new pesticide production line", Journal of Loss Prevention in the Process Industries, Volume 16, Issue 2, March 2003.

Publications in Peer-review academic conferences

- C1. Konstandinidou M., Christou M., "Blowout events and their importance in estimating accident frequencies in the offshore oil and gas exploration and production industry", 2020, ESREL 2020 PSAM 15.
- C2. Konstantinos Kirytopoulos, Panagiotis Ntzeremes, George Chatzistelios, Athanasios Saramourtsis, Athanasios Tsantsanoglou, Myrto Konstantinidou, 2020, "How much do Greek drivers know about safety when driving through road tunnels?", ESREL 2020 PSAM 15.
- C3. M. Konstandinidou, S. Contini, S. Wald, "De-codifying the requirements of the Directive 2013/30/EU on safety of offshore oil and gas operations; risk management and Reports on Major Hazards", 2017 Safety and Reliability - Theory and Applications, ESREL 2017
- C4. Konstandinidou M. and Christou M., "Human and organizational factors in offshore oil and gas exploration and production facilities", ESREL 2015.
- C5. Aneziris O. N., Papazoglou I.A., Konstandinidou M., Bellamy L.J., Mud M., Damen M., Manuel H.J., Oh J., "Occupational Risk Management for activities performed near vehicles", ESREL 2015.
- C6. Aneziris O. N., Nivolianitou Z., Konstandinidou M., Papazoglou I.A., Mavridis G., "A Total Safety Management framework in the case of a major hazards plant producing pesticides", ESREL 2015.
- C7. Marcoulaki E.C., Konstandinidou M., Papazoglou I.A. & Dimaki M., "A Control Banding Approach Customized for the Construction Industry", ESREL 2015.
- C8. Konstandinidou M. and Christou M., "Lessons learned from past accidents in the offshore oil and gas industry", SafeChania 2015: The Knowledge Triangle in the Civil Protection Service, 10-12 June 2015, Chania, Crete.
- C9. Konstantinidou M., Plot E., Leva M.C., Mavridis G., Aneziri O., and Nivolianitou Z. "Effective Identification and Management of Critical Tasks for Safer performance", 7th European Meeting on Chemical Industry and Environment, EMChIE 2015.
- C10. Nivolianitou Z. Konstandinidou M., Kefalogianni I., Caroni C. "Analysis of the causal factors in incidents of the Greek petrochemical industry", SIS Scientific Meeting, Università di Cagliari, June 11-13, Cagliari, ITALY, 2014
- C11. Marcoulaki, E.C., Venetsanos, A.G., Konstandinidou, M., Papazoglou, I.A. "Safety analysis and CFD dispersion simulation of cryogenic release in a deep underground large scale cryogenic installation" Safety and Reliability: Methodology and Applications, ESREL 2014

- C12. Aneziris, O., Nivolianitou, Z., Konstantinidou, M., Papazoglou, I., Kontogiannis, T., Leva, C., Balfe, N., Plot, E., Gerbec, M., Cozzani, V., Pontigia, M. "Total operations management for safety critical activities: Industry needs for innovative methods", Hazards 24; Edinburgh; 2014
- C13. Marcoulaki EC, Konstantinidou M, Papazoglou IA, 2013. "Bayesian tools for the prediction of occupational accident statistics based on safety performance indicators", ESREL 2013
- C14. Marcoulaki EC, Papazoglou IA, Konstantinidou M., "Work time loss prediction by exploiting occupational accident data". In Eds. C. Berenguer, A. Grall, C.G. Soares, Advances in Safety, Reliability and Risk Management, CRC Press, 124-130, 2012.
- C15. I.A Papazoglou, O. Aneziris & M. Konstantinidou, "Integrated Risk assessment for LNG Terminals", ESREL 2011, 18-22 September 2011, Troyes, France
- C16. M. Konstantinidou, Z. Nivolianitou, I. Kefalogianni & C. Caroni, "Analysis of the factors involved in incidents reported in the Greek Petrochemical Industry", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C17. I.A. Papazoglou, O. N. Aneziris, M. Konstantinidou, H. Baksteen, M. Mud, M. Damen, J. Kuiper, L.J. Bellamy, J. Oh, "Occupational Risk Management for fires", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C18. I.A. Papazoglou, M. Konstantinidou, O. N. Aneziris, H. Baksteen, M. Mud, M. Damen, J. Kuiper, L.J. Bellamy, J. Oh, "Occupational Risk Management for release of hazardous substances from closed containments", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C19. P. Baraldi, A. Sogaro, M. Konstantinidou & Z. Nivolianitou, "Development of a visual interface for the assessment of the common performance conditions in human reliability analysis", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C20. E. Plot, F. Camus, M. Konstantinidou, Z. Nivolianitou, A. Monferini, Ch. Leva, P. Kafka, T. Kontogiannis, M. Naar, M. Mokri, A. Aines & L. Behil, "Safety organization resilience based on frontline teams: added value of virtual reality technologies—Virtualis Project", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C21. A. Monferini, M. Konstantinidou, Z. Nivolianitou, S. Weber, T. Kontogiannis, P. Kafka, A.M. Kay, M.C. Leva, M. Demichela, "Human & Organizational Factors impact on risk level in an NG treatment and storage plant", ESREL 2010, 5-9 September 2010, Rhodes, Greece.
- C22. M. Konstantinidou, Z. Nivolianitou, C. Kiranoudis, N. Markatos, "Fuzzy systems for the estimation of operators response time in critical situations", 13th International Symposium on Loss Prevention, 6-9 June 2010, Bruges, Belgium.
- C23. C. Kiassat and M. Konstantinidou, "Recognizing Significant Human-Related Factors Affecting System Reliability", POMS 2010 21st Annual Conference, Operations in Emerging Economies, 7-10 May 2010, Vancouver, Canada.
- C24. I.A. Papazoglou, O. N. Aneziris, M. Konstantinidou, L.J. Bellamy and M. Damen "Assessing Occupational Risk for contact with moving parts of machines during maintenance", WCEAM 2009 International Conference, Athens, September 2009.
- C25. I.A. Papazoglou, O. N. Aneziris, M. Konstantinidou, M. Mud, M. Damen, J. Kuiper, H. Baksteen, L.J. Bellamy, J.G. Post, J. Oh, "Occupational Risk Management for Contact with moving parts of machines", ESREL 2009, 6-10 September 2009, Prague, Czech Republic.
- C26. O. N. Aneziris, M. Konstantinidou, I.A. Papazoglou, M. Mud, M. Damen, J. Kuiper, L.J. Bellamy, J. Oh, "Occupational Risk Management for Electricity Hazard", ESREL 2009, 6-10 September 2009, Prague, Czech Republic.
- C27. M. Konstantinidou, Z. Nivolianitou, E. Plot, F. Camus, A. Monferini, Ch. Leva, T. Kontogiannis, P. Kafka "Human Reliability Analysis for reducing risk in an LPG treatment and storage plant", ESREL 2009, 6-10 September 2009, Prague, Czech Republic.
- C28. I.A. Papazoglou, O. N. Aneziris, M. Konstantinidou, R. Whitehouse, L.J. Bellamy, H. Baksteen, M. Damen, M. Mud, J. Kuiper, A. Bloemhof, J.G. Post, J.I.H. OH, "The Occupational Risk Model and the ORM tool.", WOS 2008, October 2008, Iraklion Crete.
- C29. I.A. Papazoglou, O. N. Aneziris, M. Konstantinidou, M. Mud, M. Damen, J. Kuiper, A. Bloemhoff, H. Baksteen, L.J. Bellamy, J.G. Post, J. Oh, "Occupational Risk Management for Vapour/Gas Explosions", ESREL 2008, 22-25 September 2008, Valencia Spain.
- C30. O. N. Aneziris, M. Konstantinidou, I.A. Papazoglou, M. Mud, M. Damen, J. Kuiper, H. Baksteen, L.J. Bellamy, J.G. Post, J. Oh, "Occupational Risk Management for Fall from Height" ESREL 2008, 22-25 September 2008, Valencia Spain.
- C31. M. Konstantinidou, Z. Nivolianitou G. Simos C. Kiranoudis, N. Markatos, "Operators' response time estimation for a critical task using the fuzzy logic theory", ESREL 2008, 22-25 September 2008, Valencia Spain.
- C32. A. Moropoulou, E. T. Delegou, M. Konstantinidou, C. Kiranoudis, "Decision making about cleaning interventions on marble surfaces using a fuzzy logic approach", 11th International Conference on Durability of Building Materials and Components, May 2008, Istanbul Turkey.
- C33. I.A Papazoglou, I. Giakoumatos and M. Konstantinidou. "Accident sequences analysis for sites producing and storing explosives", ESREL 2006, Safety and Reliability for Managing Risk. Guedes Soares & Zio (eds). September 2006, Estoril Portugal.
- C34. M. Konstantinidou, C. Kiranoudis, N. Markatos and Z. Nivolianitou. "Evaluation of influencing factors' transitions on human reliability", ESREL 2006, Safety and Reliability for Managing Risk. Guedes Soares & Zio (eds). September 2006, Estoril Portugal.
- C35. N. J. Duijm, C. Fievez, M. Gerbec, U. Hauptmanns and M. Konstantinidou. "Improving the efficiency of management of health, safety and environment", ESREL 2006, Safety and Reliability for Managing Risk. Guedes Soares & Zio (eds). September 2006, Estoril Portugal.
- C36. A. Moropoulou, E.T. Delegou, H. Aleurofa, M. Konstadinidou, Ch. Kiranoudis, N. Markatos, "A Fuzzy Logic Approach for the Assessment of Cleaning Interventions on Marble Surfaces", 32nd International Conference of SSCHE, May 23–27, 2005, Tatransk' e Matliare, Slovakia
- C37. M. Konstantinidou, Z. Nivolianitou, C. Kiranoudis, N. Markatos, "A fuzzy modelling application of CREAM methodology for Human Reliability Analysis", Loss Prevention 2004, 11th International Symposium, Prague, Czech Republic.
- C38. Z. Nivolianitou, M. Konstantinidou, "Accident Analysis Techniques for hazardous process systems", ESREL 2003, European Safety and Reliability Conference, Maastricht, The Netherlands.

Scientific and Technical Reports (indicatively)

- E1. Michalis Christou and Myrto Konstantinidou, 2012. "Safety of offshore oil and gas operations: Lessons from past accident analysis, Ensuring EU hydrocarbon supply through better control of major hazards", JRC77767, EUR 25646 EN.
- E2. O. N. Aneziris, Z. Nivolianitou, M. Konstantinidou, I.A. Papazoglou, "Quantitative Risk Analysis of pesticides plants", 2015
- E3. Olga Aneziris, Myrto Konstantinidou, "Quantitative risk analysis of LNG plants", 2011.
- E4. Olga Aneziris, Myrto Konstantinidou, I.A. Papazoglou, Assessment Reports for 41 Seveso Plants in Greece (in Greek).
- E5. I. Giakoumatos, M. Konstantinidou, I.A. Papazoglou, Safety Reports for 39 Seveso Plants in Greece (in Greek).
- E6. I.A. Papazoglou, M. Konstantinidou, I. Giakoumatos, 2005, "Quantified Risk Assessment and Guidelines for Safety Reports for sites producing, storing and handling explosive substances", NCSR Demokritos.