

## PERSONAL INFORMATION

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## CURRENT POSITIONS

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10.2014 - present	<b>Professor of Computational Structural Mechanics and Finite Elements</b> Department of Mechanical Engineering, University of Thessaly, Volos, Greece [Chairman of the Department, Sept. 1, 2020 – Aug. 31, 2022]
04.2020 - present	<b>Honorary Visiting Professor</b> School of Engineering, The University of Edinburgh, Scotland, UK
09.2023 - present	<b>Editor-in-Chief, ASME Journal of Pressure Vessel Technology</b>

## PREVIOUS POSITIONS

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07.2023 - 08.2024	<b>Vice-Rector of International Relations, Outreach &amp; Lifelong Education</b> University of Thessaly, Volos, Greece
08.2016 - 09.2019	<b>Professor and Chair of Structural Engineering</b> [part-time appointment, in parallel with U Thessaly], School of Engineering, The University of Edinburgh, Scotland, UK
05.1999 - 09.2014	<b>Lecturer, Assistant Professor and Associate Professor in Computational Structural Mechanics and Finite Elements</b> Department of Mechanical Engineering, University of Thessaly, Volos, Greece
11.1996 - 05.1999	<b>Structural Design Engineer</b> Egnatia Odos S.A., Thessaloniki, Greece
01.1996 - 11.1996	<b>Post-Doctoral Fellow</b> Steel Structures Stevin Lab, Civil Engineering, Delft University of Technology, The Netherlands
01.1994 - 12.1995	<b>Military Service – Petty Officer</b> Mandatory service (23 months), Hellenic Navy, Athens, Greece
09.1989 - 12.1993	<b>Graduate Research and Teaching Assistant</b> Department of Civil Engineering, The University of Texas at Austin, USA

## EDUCATION

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09.1991 - 12.1993	Ph.D. in Structural Mechanics, Department of Civil Engineering, The University of Texas at Austin, USA [PhD Thesis: <i>Stability of Tubes Under External Pressure and Structural Loads</i> ]
09.1989 - 08.1991	M.Sc. in Structural Engineering, Department of Civil Engineering, The University of Texas at Austin, USA [MSc Thesis: <i>Stability of Deep-Water Pipelines Under Combined Loading</i> ]
09.1984 - 07.1989	Diploma (5-year degree) in Civil Engineering, National Technical University of Athens, Greece (Highest Honors, 1st out of 350 students) [Diploma Thesis: <i>Geometrical Nonlinear and Elastic-Plastic Analysis of Three-dimensional Frames. Computational Solution Techniques</i> ]

## TEACHING ACTIVITIES

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1999 - present	Mechanical Engineering, U Thessaly, Faculty Member (presently Professor), <u>Undergrad Courses</u> : <i>Mechanics-Statics</i> (1 <sup>st</sup> year), <i>Finite Elements</i> (3 <sup>rd</sup> year), <i>Structural Mechanics</i> (elective, 5 <sup>th</sup> year)
1999 - present	Mechanical Engineering, U Thessaly, Faculty Member (presently Professor), <u>Graduate Courses</u> : <i>Advanced Finite Elements</i> , <i>Structural Stability</i> , <i>Mechanical Behavior and Design of Hydrocarbon Pipelines</i> , <i>Structural Design of Energy Infrastructure Systems</i>
2015 - present	School of Naval Architecture & Marine Engineering, NTU Athens (Visiting Professor), Graduate Course: <i>Structural Behavior and Design of Marine Pipelines</i>
2016 - 2019	School of Engineering, The University of Edinburgh (Professor and Chair), <u>Undergrad Courses</u> : <i>Finite Elements in Solids and Structures</i> (4 <sup>th</sup> year), <i>Structural Mechanics</i> (2 <sup>nd</sup> year)

## US PATENT

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- 2025** Keil, B. D. and Karamanos, S. A., [SEISMIC PIPE JOINT](#), US Patent No. US 12215817B2; February 4, 2025; the product is also patented in Canada [CA3087383A1], Mexico [MX2020007813A], Australia [AU2020205343A1], Europe [EP3783251B1].

## BOOKS

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- 2021** Karamanos, S. A., Gresnigt, A. M., Dijkstra, G. J., *Geohazards and Pipelines, State-of-the-art design using experimental, numerical and analytical methodologies*, Springer Nature, Cham, Switzerland, 208 pages, 2021, [book website](#) (ISBN: 978-3-030-49892-4)
- 2022** Karamanos, S. A., *Structural Mechanics and Design of Metal Pipes*, Elsevier, Amsterdam, Netherlands, 512 pages, [book website](#) (ISBN: 9780323886635)

## TEN (10) REPRESENTATIVE JOURNAL PUBLICATIONS [see [complete list](#)]

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- [1] Vazouras, P., Karamanos, S. A., and Dakoulas, P. (2010), "Finite Element Analysis of Buried Steel Pipelines Under Strike-Slip Fault Displacements", *Soil Dynamics & Earthquake Engineering*, Vol. 30, No. 11, pp. 1361-1376 [DOI](#).
- [2] Vasilikis, D. and Karamanos, S. A. (2014), "On the Mechanics of Confined Steel Cylinders Under External Pressure.", *Applied Mechanics Reviews*, ASME, [Invited paper](#), Vol. 66, pp. 010801, [DOI](#).
- [3] Sarvanis, G. C., Karamanos, S. A., Vazouras, P., Mecozzi, E., Lucci, A., Dakoulas, P. (2018), "Permanent Earthquake-Induced Actions in Buried Pipelines: Numerical Modeling and Experimental Verification", *Earthquake Engineering & Structural Dynamics*, Vol. 47, No. 4, pp. 966–987, [DOI](#).
- [4] Chatzopoulou, G., Sarvanis, G. C., Karamanos, S. A., Mecozzi, E., Hilgert, O. (2019), "The effect of spiral cold-bending manufacturing process on pipeline mechanical behavior", *Int J Solids & Structures*, Vol. 166, pp. 167-182 [DOI](#).
- [5] Varelis, G. E., Papatheocharis, T., Karamanos, S. A., Perdikaris, P. C. (2020), "Structural behavior and design of high-strength steel welded tubular connections under extreme loading", *Marine Structures*, Vol. 71, pp. 102701 [DOI](#).
- [6] Chatziioannou, K., Karamanos, S. A., Huang, Y. (2021), "Coupled Numerical Simulation of Low-Cycle Fatigue Damage in Metal Components", *Engineering Structures*, Vol. 229, pp. 111536 [DOI](#).
- [7] Keil, B. D., Fappas, D., Gobler, F., Sarvanis, G. C., Chatzopoulou, G., Lucier, G., Mielke, R. D., Karamanos, S. A. (2022), "A New Concept for Improving the Structural Resilience of Lap-Welded Steel Pipeline Joints", *Thin-Walled Structures*, Vol. 171, pp. 108676 [DOI](#).
- [8] Gavriilidis, I. and Karamanos, S. A. (2022), "Structural response of steel lined pipes under cyclic bending", *Int J Solids & Structures*, Vol. 234-235, pp. 111245 [DOI](#).
- [9] Papatheocharis, T., Plakias, G. T., Zervaki, A. D., Perdikaris, P. C., Karamanos, S. A. (2023), "Ultimate Strength and Fatigue of Stiffened Welded Tubular Joints in Floating Energy Production Structures", *Engineering Structures*, Vol. 297, pp. 116985 [DOI](#).
- [10] Gavriilidis, I., Stamou, A. G., Palagas, C., Dourdounis, E., Voudouris, N., Tazedakis, A., Karamanos, S. A. (2024), "Heat treatment effects on collapse of JCO-E steel pipes under external pressure: experiments and numerical predictions", *Marine Structures*, Vol. 93, pp. 103536, [DOI](#).

## HONORS and AWARDS

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- 1984** First (1st) in Nationwide General University Entrance Examinations, Civil Engineering, NTU Athens.
- 1989** First Honor Graduate (1st out of 350 students), Civil Engineering, NTU Athens.
- 1985 - 1989** Fifteen (15) Awards and Merit-Based Scholarships from NTU Athens, National Scholarship Foundation of Greece and Technical Chamber of Greece for excellent academic performance.
- 1989 - 1993** Full Academic Merit-Based Assistantship and two Merit-Based Departmental Fellowships for excellent academic performance, Dept. of Civil Engineering, The University of Texas, Austin, USA.
- 2007** Sam Y. Zamrik Literature Award, American Society of Mechanical Engineering, Pressure Vessels and Piping Division for 2006 best paper in ASME Journal of Pressure Vessel Technology.
- 2012** G. E. Otto Widera Literature Award, American Society of Mechanical Engineering, Pressure Vessels and Piping Division for 2011 best paper in ASME Journal of Pressure Vessel Technology.
- 2020 - 2026** Honorary Visiting Professorship, School of Engineering, The University of Edinburgh, Scotland, UK.

## INTERNATIONAL CONFERENCES (PARTIAL LIST)

### ASME International Conference on Ocean, Offshore and Arctic Engineering ([OMAE](#))

Regular attendance since 2005, *Member of Pipelines & Risers Symposium Committee*, ASME OOA Division.

Most recent attendance: OMAE 2022, Hamburg, Germany. Representative recent papers:

- Gavriilidis, I., Stamou, A. G., Karamanos, S. A., Palagas, C., Dourdounis, E., Voudouris, N., Tazedakis, A., “Collapse of JCO-E Pipes; Experiments and Numerical Predictions.”, 41st International Conference on Ocean, Offshore and Arctic Engineering, ASME, OMAE2022-79129, Hamburg, Germany, June 2022.
- Varelis, G. E., Dib, E., Karamanos, S. A., “Structural response of subsea pipe elbows under monotonic and cyclic loading”, 41st International Conference on Ocean, Offshore and Arctic Engineering, ASME, OMAE2022-79151, Hamburg, Germany, June 2022.

**International Ocean and Polar Engineering Conference ([ISOPE](#))**. Most recent attendance: ISOPE 2024, Rhodos, Greece, Representative recent paper:

- Gavriilidis, I., Papatheocharis, T., Plakias, G. T., Karamanos, S. A., “Tubular Welded Connections in Offshore Steel Floating Platform: Structural Design Optimization”, ISIOE Conference, TPC-0925, ISOPE, Rhodos, Greece, June 2024.

**International Offshore Wind Technical Conference ([IOWTC](#))**. Most recent attendance 2019, presentations:

- Structural design of REFOS platform hull, IOWTC2019-7631
- Mechanical testing of REFOS platform welded joints, IOWTC2019-7632

**ASCE Pipelines Conference**. Member of ASCE Task Committee on Seismic Design of Buried Pipelines.

Regular attendance since 2004. Most recent attendance: 2025, Tampa, FL, USA. Representative papers:

- Karamanos, S. A., Keil, B. D., Card, R. J., “Buried Steel Water Pipelines in Geohazard Areas – A Basis for Design”, ASCE Pipelines Conference, paper No. 181, Calgary, AL, Canada, July 2024.
- Vazouras, P., Keil, B. D., Mielke, R. D., Karamanos, S. A., “How to Design Geohazard Resistant Steel Pipe in Critical Fault Crossing Areas”, ASCE Pipelines Conference, paper No. 245, Tampa, FL, USA, August 2025.

### ASME Pressure Vessels & Piping Conference ([PVP](#))

Regular attendance since 2005, Member of Seismic Engineering Technical Committee, ASME PVP Division.

Most recent attendance: PVP 2025, Montreal, Ontario, Canada. Representative paper:

- Sarvanis, G. C., Karamanos, S. A., “Numerical Simulation of High-Cyclic Fatigue in Steel Components”, Pressure Vessel and Piping Conference, ASME, PVP2025-154860, Montreal, Quebec, Canada, July 2025

**Computational Methods in Structural Dynamics and Earthquake Engineering ([COMPDYN](#))**, ECCOMAS Conference, Regular attendance since 2007, *Member of Scientific Committee*. Most recent attendance: Rhodos, Greece, June 2025. Representative paper:

- Gavriilidis, I., Papatheocharis, T., Karamanos, S. A., “High-cycle fatigue of mild and high-strength steel components for offshore energy applications”, COMPDYN 2025

## SUPERVISION OF GRADUATE & PHD STUDENTS, POSTDOCTORAL FELLOWS

<b>2003 - present</b>	Supervision of 11 PhD theses (9 completed); Co-supervision of 2 PhD theses [total: 13] <i>University of Thessaly</i> , Dept. of Mechanical Engineering, Volos, Greece
<b>2016 - present</b>	Supervision of 2 PhD students (2 competed); Co-supervision of 1 PhD thesis (competed) [total: 3] <i>The University of Edinburgh</i> , School of Engineering, Scotland, UK
<b>2000 - present</b>	Supervision of 53 Diploma Thesis Students (49 completed); 21 Graduate Diploma Thesis Students, (20 completed), <i>University of Thessaly</i> , Dept. of Mechanical Engineering, Volos, Greece
<b>2013 - present</b>	Supervision of 6 Postdoc researchers, <i>Univ. of Thessaly</i> , Dept. Mechanical Engineering, Volos, Greece
<b>2016 - 2019</b>	Supervision of 5 MS/BS thesis students, <i>The Univ. of Edinburgh</i> , School of Engineering, Scotland, UK

## IMPACT AND INTERNATIONAL RECOGNITION

<b>Honorary position</b>	Honorary Visiting Professor, School of Engineering, The University of Edinburgh, Scotland, UK
<b>Citations</b>	Scopus: <b>4400</b> citations; h-index: <b>37</b> (excluding self-citations: <b>3751</b> ; h-index: <b>33</b> ) Google Scholar: <b>5924</b> citations; h-index: <b>43</b> (since <u>2021</u> : <b>2601</b> citations; h-index: <b>25</b> )
<b>Top 2% List</b>	Stanford Elsevier <a href="#">World's Top 2% Scientists' List</a> (career list and year list)
<b>Standards and Manuals</b>	Research work/results are adopted/cited in codes, standards and design manuals by international organizations: <a href="#">ASCE</a> , <a href="#">IIW</a> , <a href="#">CIDECT</a> , <a href="#">ECCS</a> , <a href="#">AWWA</a>

## EDITOR, REVIEWING ACTIVITIES AND PROFESSIONAL MEMBERSHIP

<b>2023 - present</b>	Editor-in-Chief, ASME Journal of Pressure Vessel Technology
<b>2008 - 2015</b>	Associate Editor, ASME Journal of Pressure Vessel Technology
<b>2009 - 2021</b>	Associate Editor, ASCE Journal of Pipeline Systems, Engineering & Practice
<b>2011 - 2013</b>	Project Evaluator, RFCS program, European Commission, Brussels
<b>2012 - present</b>	Member of Editorial Board, International Journal of Steel Structures
<b>2019 - present</b>	Member of Editorial Board, Soil Dynamics and Earthquake Engineering
<b>2011 - 2013</b>	Chairman, Seismic Engineering Technical Committee, PVP Division, ASME
<b>2014 - present</b>	Member, ASCE Task Committee on Seismic Design of Buried Water & Wastewater Pipelines
<b>1990 - present</b>	Member, American Society of Civil Engineers (ASCE)
<b>2004 - present</b>	Member, American Society of Mechanical Engineers (ASME)
<b>1990 - present</b>	Professional Civil Engineer, Member of Technical Chamber of Greece
<b>1999 - present</b>	Reviewer in numerous international journals (partial list): Applied Ocean Research, ASCE Journal of Engineering Mechanics, ASCE Journal of Pipeline Systems Engineering and Practice, ASME Journal of Offshore Mechanics & Arctic Engineering, ASME Journal of Pressure Vessel Technology, Bulletin of Earthquake Engineering, Engineering Structures, Earthquake Engineering and Structural Dynamics, International Journal of Fatigue, International Journal of Mechanical Sciences, International Journal of Pressure Vessels and Piping, International Journal of Solids and Structures, Journal of Constructional Steel Research, Journal of Pipeline Engineering, Journal of Strain Analysis, Marine Structures, Ocean Engineering, Thin-Walled Structures, Soil Dynamics and Earthquake Engineering

## ORGANIZATION OF SYMPOSIA AND WORKSHOPS

<b>06.2014</b>	Symposium: “Geohazards and Pipelines; Safety of Buried Steel Pipelines under Ground-Induced Actions”, [principal organizer] sponsored by BIG & <a href="#">GIPIPE</a> , Delft, The Netherlands, June 23-24, 2014
<b>04.2015</b>	Workshop: “Structural steel solutions in earthquake-prone areas; Design & Retrofitting” [principal organizer], organized by the University of Thessaly and Shelter S.A. within RFCS STEEL-EARTH dissemination project, Volos, Greece, December 04, 2015.
<b>12.2018</b>	<a href="#">Workshop</a> : Development of Modular Steel Jacket for Offshore Windfarms, JABACO research program, organized by the University of Thessaly [principal organizer], sponsored by the European Commission, RFCS program, Edinburgh, Scotland, UK, December 03, 2018
<b>06.2019</b>	Workshop: “Natural Hazards and Pipeline Infrastructure” [principal organizer with Prof. C.B. Papazachos], organized in the ICONHIC 2019 Conference, Chania, Crete, Greece, June 24-26, 2019.
<b>07.2022</b>	Workshop: “Improving Resilience of Critical Energy Infrastructures” [principal organizer with C. Fuggini, G. Giunta], organized in ICONHIC 2022 Conference, Athens, Greece, July 05-07, 2022.
<b>07.2025</b>	<a href="#">Workshop</a> : “Structural Integrity of Offshore Energy Systems”, SIRENES research program, organized by the University of Thessaly [principal organizer], sponsored by H.F.R.I., Volos, Greece, July 7-8, 2025.

## MEMBER OF DESIGN CODE AND MANUAL DRAFTING COMMITTEES

Period	Document	Sponsor
<b>2003 - 2015</b>	<i>Buckling of Shells, European Recommendations</i> . 5 <sup>th</sup> Edition, <a href="#">ECCS publication No. 125</a> , 2008.	European Convention for Construction Steelwork (ECCS)
<b>2004 - 2009</b>	<i>Buried Flexible Steel Pipe. Design and Structural Analysis</i> , ASCE Manual for Engineering Practice, <a href="#">MoP 119</a> , 2009.	American Society of Civil Engineers (ASCE)
<b>2015 - 2021</b>	<i>New Criteria for Seismic Design of Piping Systems</i> , MECOS (Metallic Component Margins under High Seismic Loads), International Group of Experts, 2024.	Organization for Economic Cooperation and Development (OECD)
<b>2016 - present</b>	<i>Seismic Design of Buried Pipelines</i> , ASCE Manual for Engineering Practice (MoP), in preparation.	American Society of Civil Engineers (ASCE)

## RESEARCH PROJECTS

Project Title	Funding source	Period	Role
Structural Integrity of Offshore Pipelines and Tubular Members under External Pressure and Structural Loads	OTRC <sup>1</sup> , Texas, USA (NSF center)	1989-93	Researcher
Fatigue Design for Circular and Rectangular Hollow Section Multi-planar Joints	TU Delft Fellowship The Netherlands	1995-96	Researcher
Development of Design Guidelines for the Seismic Design of Industrial Equipment	EPPO <sup>2</sup> (ΟΑΣΠ) Athens, Greece	2001-03	Principal Investigator (PI)
FATHOMS: Fatigue behavior of high strength steels welded joints in offshore and marine systems	European Commission, RFCS <sup>3</sup>	2005-08	Co-PI for UTH
OPUS: Optimizing the seismic performance of steel and steel-concrete structures by standardizing materials quality control	European Commission, RFCS	2007-10	PI for UTH
PRECASTEEL: Prefabricated steel structures for low-rise buildings in seismic areas	European Commission, RFCS	2007-10	PI for UTH
STEELRETRO: Steel solutions for seismic retrofit and upgrade of existing constructions	European Commission, RFCS	2007-10	PI for UTH
HITUBES: Design and Integrity Assessment of High Strength Tubular Structures for Extreme Loading Conditions	European Commission, RFCS	2008-11	PI for UTH
ATTEL: Performance-based approaches for high strength tubular columns and connections under earthquake and fire loadings	European Commission, RFCS	2008-11	PI for UTH
INDUSE: Structural safety of industrial steel tanks, pressure vessels and piping systems under seismic loading, <a href="http://www.mie.uth.gr/induse">www.mie.uth.gr/induse</a>	European Commission, RFCS	2009-12	Project coordinator and PI for UTH
Structural integrity of steel oil & gas pipelines with local wall distortions.	Ministry of Education, Greece (HERAKLEITOS)	2010-14	Principal Investigator (PI)
GIPIPE: Safety of buried steel pipelines under ground-induced deformations, <a href="http://www.mie.uth.gr/gipipe">www.mie.uth.gr/gipipe</a>	European Commission, RFCS	2011-14	Project coordinator and PI for UTH
COMBITUBE: Bending Resistance of Steel Tubes in CombiWalls	European Commission, RFCS	2011-14	PI for UTH
ULCF: Ultra low cycle fatigue of steel under cyclic high-strain loading conditions	European Commission, RFCS	2011-14	PI for UTH
RASOR: Risk Assessment for the Seismic Protection of Industrial Facilities	GSRT <sup>4</sup> (ΓΓΕΤ) Athens, Greece (THALES)	2012-15	PI for UTH
UPGRADE: Contemporary Evaluation Methodology of Seismic Vulnerability and Upgrade of Port Facilities	GSRT (ΓΓΕΤ) Athens, Greece (THALES)	2012-15	Co-PI for UTH
MATCH: Material Choice for Seismic Resistant Structures	European Commission, RFCS	2013-16	PI for UTH
SBD-SPIPE: Strain-based design of spiral-welded pipes for demanding pipeline applications	European Commission, RFCS	2013-16	PI for UTH
INDUSE-2-SAFETY: Component fragility evaluation and seismic safety assessment of “special risk” petrochemical plants	European Commission, RFCS	2014-17	PI for UTH

<sup>1</sup> OTRC: Offshore Technology Research Center, Texas, USA.

<sup>2</sup> Earthquake Planning and Protection Organization, Athens, Greece.

<sup>3</sup> [RFCS](http://www.rfcs.eu): Research Fund for Coal and Steel, European Commission, Brussels.

<sup>4</sup> General Secretariat for Research and Technology, Athens, Greece.

JABACO: Development of Modular Steel Jacket for Offshore Windfarms, <a href="http://jabaco.uth.gr/">http://jabaco.uth.gr/</a>	European Commission, RFCS	2015-18	PI for UTH
REFOS: Life-Cycle Assessment of a Renewable Energy Multi-Purpose Floating Offshore System, <a href="https://refos3.wixsite.com/refos">https://refos3.wixsite.com/refos</a>	European Commission, RFCS	2016-19	PI for UTH
FASTCOLD: Fatigue strength of COLD-formed structural steel details	European Commission, RFCS	2017-20	PI for UTH
SIRENES: Structural Integrity of Offshore Renewable Energy Platforms, <a href="https://sirenes.mie.uth.gr/">https://sirenes.mie.uth.gr/</a>	H.F.R.I. <sup>5</sup>	2022-25	Principal Investigator (PI)
Structural Integrity of Offshore Steel Pipelines for Natural Gas and Hydrogen Transmission.	H.F.R.I.	2023-26	PhD thesis supervisor

### MAIN INDUSTRIAL PROJECTS (PRINCIPAL INVESTIGATOR)

Project Title	Sponsor	Period
Water pipeline structural assessment in Rotterdam	Waterbedrijf Europoort NV, Rotterdam, The Netherlands	2002
Assessment of tanks & vessels in Elefsina refinery, near Athens	<a href="#">Hellenic Petroleum S.A.</a> , Athens, Greece	2006-09
Seismic design and resilience of Willamette Water Supply System, Oregon	<a href="#">HDR Inc.</a> , Portland, OR	2015
Seismic design of Trans Adriatic Pipeline (TAP)	<a href="#">E.ON. Technologies GmbH</a> , Duisburg, Germany	2014-15
Structural strength and design of steel, composite and polyurethane panels	<a href="#">Metallemporiki S.A.</a> , Larisa, Greece	2015-17
Structural performance of buried steel water pipelines subjected to permanent ground deformation in Ptolemais Unit V 660 MW Power Plant	<a href="#">C&amp;M Engineering S.A.</a> , Athens, Greece	2017-18
Modelling and optimization of welded pipe fabrication process, collapse prediction of offshore JCO-E & HFW steel pipes, thermal effects on collapse	<a href="#">Corinth Pipeworks S.A.</a> , Thisvi, Greece	2018-26
Development of InfraShield® seismic resilient joint; Design and structural integrity of steel water pipelines in seismic/geohazard areas	<a href="#">Northwest Pipe Co.</a> , Vancouver, WA, USA	2017-25
Residual strength of buckled steel tubes	<a href="#">BAM Infraconsult BV</a> , Gouda, The Netherlands	2021
Expert Consultant/Expert Witness for Pipeline Structural Integrity	<a href="#">Energy Transfer</a> , Dallas, Texas, USA	2021-23
Analysis of landslide action on high-pressure gas pipeline	<a href="#">DESFA SA</a> , Athens, Greece	2023-24
Analysis of wrinkling in mechanically-lined steel pipes (MLP)	<a href="#">EPRG</a> , Duisburg, Germany	2023-25
Structural Behavior of PiP/MLP Steel Pipes	<a href="#">TotalEnergies EP Brasil Ltda</a> , Rio de Janeiro, Brazil	2025-26
Design verification of Bottom Steam Distribution Manifold (BSDM)	<a href="#">SPG Dry Cooling Belgium SRL</a> , Brussels, Belgium	2025-26

<sup>5</sup> [Hellenic Foundation for Research and Innovation](#) (ELIDEK), Ministry of Education, Athens, Greece.