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## 1. EDUCATION

- **Post-Doctorate** in Structural Mechanics & Fatigue, Dept. of Mechanical Eng., UTH, Greece, 2024
- **Ph.D.** in Civil Engineering, Dept. of Civil Eng., UTH, Greece, 2020
- **M.Sc.** in Applied Mechanics, Dept. of Civil Eng., UTH, Greece, 2012
- **Diploma** (5-year degree) in Civil Engineering, Dept. of Civil Eng., UTH, Greece, 2007
- **Bachelor** in Structural Engineering, Tech. Educ. Inst. of Crete, Greece, 2000

## 2. PROFESSIONAL EXPERIENCE

- **Adjunct Lecturer**, School of Engineering, UTH, Greece, (2021-2024)
  - Dept. of Civil Eng., (2021-2024)  
(*undergraduate courses "Prestressed Concrete Design", "Composite Structures"*)
  - Dept. of Architecture, (2023-2024)  
(*postgraduate course "Assessment and Strengthening of Existing Structures"*)
- **Postdoctoral Researcher**, Lab of Mechanics & Strength of Materials, Dept. of Mechanical Eng., UTH, Greece, (2022-2024)
- **Research Assistant/Associate**, Lab of Reinforced Concrete Technology & Structures, Dept. of Civil Eng., UTH, Greece, (2007-2021)
- **Research Engineer**, SHELTER S.A., Larissa, Greece, (2014-2016, 2021-2023)
- **Research Engineer**, Metallemporiki S.A., Larissa, Greece, (2016-2017)
- **Research Engineer**, Materials Industrial Research & Technology Center S.A. (EBETAM A.E.), Volos, Greece, (2010-2012)
- **Professional Civil Engineer**, member of Technical Chamber of Greece, (2008-Present)

## 3. SELECTED RECENT PARTICIPATIONS IN FUNDED RESEARCH PROJECTS

- SIRENES\_Structural Integrity of Offshore Renewable Energy Platforms, Hellenic Foundation for Research & Innovation, Project No.3887 (2022-2025)
- HYCAD\_Innovative Steel-Concrete Hybrid Coupled Walls for Buildings in Seismic Areas: Advancements and Design guidelines, European Commission, 899381 (2020-2023)
- REFOS\_Life-Cycle Assessment of a Renewable Energy Multi-Purpose Floating Offshore System, European Commission, 709526 (2016-2019)
- JABACO\_Development of Modular Steel Jacket for Offshore Windfarms, European Commission, RFSR-CT-2015-00024 (2015-2018)
- Design tables for profiled steel sheeting, steel-concrete composite slabs and polyurethane sandwich panels, Metallemporiki S.A., (2015-2017)
- INDUSE-2-SAFETY\_Component Fragility Evaluation and Seismic Safety Assessment of "Special Risk" Petrochemical Plants Under Design Basis and Beyond Design Basis Accidents, European Commission, RFSR-CT-2014-00025 (2014-2017)

#### 4. SELECTED RECENT PUBLICATIONS IN PEER REVIEWED JOURNALS

- **T. Papatheocharis**, G. T. Plakias, A. D. Zervaki, P. C. Perdikaris, S. A. Karamanos, “Ultimate Strength and Fatigue of Stiffened Welded Tubular Joints in Floating Energy Production Structures”, *Engineering Structures*, 297, 116985, 2023
- **T. Papatheocharis**, G.C. Sarvanis, P. C. Perdikaris, S. A. Karamanos, A. Zervaki, “Fatigue Resistance of Welded Tubular X-Joints”, *Marine Structures*, 74, 102809, 2020
- G.E. Varelis, **T. Papatheocharis**, S. A. Karamanos, and P. C. Perdikaris, “Structural Behavior and Design of High-Strength Steel Welded Tubular Connections under Extreme Loading”, *Marine Structures*, 71 (2020) 102701, 2020
- **T. Papatheocharis**, P. C. Perdikaris, and M. L. Moretti, “Response of RC Frames Strengthened by RC Infill Walls: Experimental Study”, *Journal of Structural Engineering*, Vol.145 (11), 2019
- A. E. Pournara, **T. Papatheocharis**, S. A. Karamanos, and P. C. Perdikaris, “Mechanical Behavior of Dented Steel Pipelines Subjected to Bending and Pressure Loading”, *Journal of Offshore Mechanics and Arctic Engineering*, Vol.141 (1), 011702-1, 2018
- A. E. Pournara, **T. Papatheocharis**, G. Chatzopoulou, S. A. Karamanos, P. C. Perdikaris, “Full Scale Tests Under Cycling Loading of Buckled and Dented Pipelines of X52 Steel Grade”, *Monotonic and Ultra-Low-Cycle Fatigue Behavior of Pipeline Steels*, Springer, pp. 171-188, 2018

#### 5. SELECTED RECENT PUBLICATIONS IN PEER REVIEWED CONFERENCES

- **T. Papatheocharis**, V. Koutselinis, M. L. Moretti, P. C. Perdikaris, “Experimental Investigation on the Response of Substandard RC Frames Retrofitted with RC Infill Walls”, *18th World Conference on Earthquake Engineering*, WCEE 2024, Milan, Italy, July 2024
- **T. Papatheocharis**, G. E. Varelis, P. C. Perdikaris, S. A. Karamanos, “Strength of welded connections in unanchored steel liquid storage tanks under seismic loading”, *11th International Conference on the Behaviour of Steel Structures in Seismic Areas*, STESSA 2024, Salerno, Italy, July 2024
- Ilias Gavriilidis, **T. Papatheocharis**, S. A. Karamanos, “Tubular welded connections in offshore steel floating platform: structural design optimization”, *34th International Ocean and Polar Engineering Conference*, ISOPE-2024, Rhodes, Greece, June 2024
- **T. Papatheocharis**, G. T. Plakias, A. D. Zervaki, S. A. Karamanos, P. C. Perdikaris, “Fatigue strength of tubular welded connections in offshore floating platforms”, *10th European Conference on Steel and Composite Structures*, EUROSTEEL 2023, Amsterdam, Netherlands, September 2023
- V. Koutselinis, **T. Papatheocharis**, P. C. Perdikaris, “Experimental study of an RC frame strengthened with a low strength RC infill wall under horizontal cyclic loading”, *5th Hellenic Conference on Earthquake Engineering and Engineering Seismology*, Athens, Greece, October 2022
- **T. Papatheocharis**, P. C. Perdikaris, M. L. Moretti, “Response of RC Frames strengthened with RC infill walls under horizontal cyclic loading”, *18th Hellenic Conference of Concrete*, Athens, Greece, March 2018

#### 6. FELLOWSHIPS AND AWARDS

- Reviewer recognition, Elsevier, 2024
- Postdoctoral research fellowship, Dept. of Mechanical Eng., UTH, Greece, 2021
- OMAE Award’s Committee for the paper: A. E. Pournara (recipient), T. Papatheocharis, S. A. Karamanos, P. C. Perdikaris, “Structural Integrity of Buckled Steel Pipelines”, ASME, 2015
- Scholarships for postgraduate research, Special Account for Research Grants, Dept. of Civil Eng., UTH, Greece, 2009, 2010, 2011 & 2012