

CURRICULUM VITAE

Name: Panos Theodoropoulos
Occupation: Civil Engineer (Structural)
Date of Birth: 1979
Birthplace: Athens
Marital Status: Married
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AREAS OF EXPERTISE (see also the attached table of works)

- Design and Analysis of pretensioned and post-tensioned bridges constructed with the methods of Balanced - Unbalanced Cantilever, Incremental launching, Precast Beams, Cast in situ with slab, beam or box sections, on any type of foundation (shallow, piles or shafts)
- Seismic Isolation of bridges and buildings with the use of elastomeric bearings with low or high damping properties (LRB, HDRB), friction pendulum systems (FPS) and viscous liquid dampers.
- Design and Retrofit of composite and steel bridges
- Design of Underground Structures. Participation in several designs for Athens Metro as well as for several cut&cover projects for the highways and railways network in Greece
- Design and Retrofit of buildings with reinforced concrete, composite (steel – concrete) and structural steel sections.
- Design of temporary and permanent retaining works in road, railway and building projects.

EDUCATIONAL BACKGROUND

2003-2005 Master of Science “Analysis & Design of Earthquake Resistant Structures”, National Technical University of Athens, degree 8.90/10

1998-2003 Diploma in Civil Engineering (5-year program), Structural Engineering Section, National Technical University of Athens, degree 8.10/10

PROFESSIONAL EXPERIENCE

2003-today Freelancer Structural Engineer – Design and Supervision of Private and Public Works mostly Buildings and Infrastructure (Bridges, Energy Plants, Cable Structures)

2014-2017 N. Loukatos and Associates SA – Stand SA – Design and Supervision of Private and Public Works mostly Buildings and Infrastructure (Bridges, Retaining works) as team leader and coordinator

2003-2014 **T. Tsiknias and Associates SA** – Design and Supervision of Private and Public Works mostly Buildings and Infrastructure (Bridges, Stadiums, Retaining works) as team leader or member of a design team

LANGUAGES Greek (native), English (fluent)

SCIENTIFIC ACTIVITY

2014 “Feasibility of retrofitting an existing half-through semi floating steel bridge”, IABSE - Innovations on Bridges and Soil-Bridge Interaction Athens 2014

2011 “Cost benefits of seismic isolation on constructed bridges”, IABSE - Innovations on Bridges and Soil-Bridge Interaction Athens 2011

2006 “Seismic performance evaluation of a five span horizontally curved highway bridge (K1 Junction Thessaloniki) designed by current codes using modal pushover, incremental dynamic and typical time history analysis”, Master thesis National Technical University of Athens

2003 “Calculation and optimization of reinforced concrete sections under bending and axial loads”, Diploma Thesis National Technical University of Athens

PARTICIPATION IN PROFESSIONAL ORGANISATIONS

2010-today Member of International Association for Bridge and Structural Engineering (I.A.B.S.E.)

2010-today Member of Hellenic Society of Earthquake Engineering (E.T.A.M.)

2008-today Member of FIB Greek Division of Concrete (E.T.S)

2003-today Member of Civil Engineering Association of Greece (S.P.M.E.)

2003-today Member of Technical Chamber of Greece (T.E.E.)

COMPUTER SKILLS

- Structural Analysis & Design Programs: SOFiSTiK, NEXT, SAP, ETABS, FESPA, FIDES, NASTRAN, FAGUS, ROBOT.
- Programming Languages: FORTRAN, Visual BASIC.
- Operating Software: MS – DOS, MS – WINDOWS, UNIX, LINUX, MS – OFFICE.
- Cad Software: AUTOCAD 2D & 3D, Revit (BIM software)
- Math Software: MATLAB, MAPLE, MATHCAD, ORIGIN, GRAPHER.

HONOURS - SCHOLARSHIPS

- 2003** Technical Chamber of Greece Diploma Thesis Award (one of the three best thesis of 2003)
- 2000** Scholarship of State Schoolship Foundation (IKY) (2nd in ranking during academic year 1999 – 2000)
- 1999** Scholarship of National Technical University of Athens ‘Nikolaou I. Kritikou’ (1st in academic year 1998-1999 at all math and geometry modules)
- 1992-1997** Distinction of studies from 46o Elementary και 3o High School of Athens
Distinctions and Awards from associations and societies of place of origin like ‘Pnevrytanian Association’ and ‘Evrytanian Association of America’