Dr Grigorios Tsinidis - Short Curriculum Vitae

Dr Grigorios Tsinidis holds a 5-year Diploma in Civil Engineering (2007, major in structural engineering, 1st class Hons), a MSc in Earthquake Engineering and Seismic Design of Structures (2008, distinction) and a PhD in Geotechnical Earthquake Engineering (2015, distinction), from Aristotle University of Thessaloniki, Greece. Currently, he is working as a post-doctoral research fellow at the research unit of Soil Dynamics and Geotechnical Earthquake Engineering (SDGEE) of Aristotle University of Thessaloniki. His research interests are in the areas of geotechnical earthquake engineering and earthquake engineering, with particular emphasis on seismic response, design and vulnerability assessment of tunnels, buildings and monuments, and investigation of soil-structure interaction by means of nonlinear numerical analyses and physical modelling. During the last seven years, he has participated in 11 EU- and national-funded research projects. Dr Tsinidis is author or co-author of 39 scientific publications (of which nine in peer-reviewed scientific journals and six in book chapters). He has served as reviewer of scientific articles in geotechnical engineering and earthquake engineering for more than ten international scientific journals. He is a chartered Civil Engineer (Professional Society of Engineers, Greece) and has worked as a consultant in several large projects in the fields of geotechnical and structural engineering. He is member of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), the Hellenic Society of Soil Mechanics and Geotechnical Engineering (HSSMGE) and the Hellenic Society of Earthquake Engineering (ETAM).

Selected publications:

Argyroudis S, Tsinidis G, Gatti F, Pitilakis K (2017) Effects of SSI and lining corrosion on the seismic vulnerability of shallow circular tunnels. *Soil Dynamics and Earthquake Engineering*, 98: 244-256

Tsinidis G (2017) Response characteristics of rectangular tunnels in soft soil subjected to transversal ground shaking. *Tunnelling and Underground Space Technology*, 62:1-22

Tsinidis G, Pitilakis K, Madabhushi G (2016) On the dynamic response of square tunnels in sand. *Engineering Structures*, 125:419-437

Tsinidis G, Rovithis E, Pitilakis K, Chazelas J-L (2016) Seismic response of box-type tunnels in soft soil: Experimental and numerical investigation. *Tunnelling and Underground Space Technology*, 59:199-214

Tsinidis G, Pitilakis K, Anagnostopoulos C (2016) Circular tunnels in sand: Dynamic response and efficiency of seismic analysis methods at extreme lining flexibilities. *Bulletin of Earthquake Engineering*, 14(10):2903-29

Tsinidis G, Pitilakis K, Madabhushi G, Heron C (2015) Dynamic response of flexible square tunnels: Centrifuge testing and validation of existing design methodologies. *Géotechnique*, 65(5):401-417

Tsinidis G, Pitilakis K, Trikalioti AD (2014) Numerical simulation of round robin numerical test on tunnels using a simplified kinematic hardening model. *Acta Geotechnica*, 9(4):641-659

Pitilakis K, Tsinidis G (2014) Performance and seismic design of underground structures. In: Maugeri M, Soccodato C (Eds), *Earthquake Geotechnical Engineering Design. Geotechnical and Geological Earthquake Engineering*, 28, Springer, Switzerland, pp: 279-340

Pitilakis K, Tsinidis G, Chalatis A (2014) Shallow immersed rectangular tunnel in soft soils. In: *ISO/TR 12930:2014 Seismic design examples based on ISO 23459*. ISO, Geneva, Switzerland

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