

CARRER SUMMARY

Anastasios Sextos is a Professor of Earthquake Engineering at the University of Bristol, UK which he joined in 2015 after serving for 12 years at Aristotle University of Thessaloniki. He is the Head of the Earthquake and Geotechnical Engineering Research Group and the Academic Lead for the design and delivery (2018-2021) and Director (2022-) of the new £12million Soil-Foundation-Structure Interaction (SoFSI) Facility. He acts as the corresponding member of the Management Board of the £140million UK Collaboratorium for Research on Infrastructure and Cities (UKCRIC) in the framework of which SoFSI facility is built, while he is also the founding Director of the MSc Programme in Earthquake Engineering and Infrastructure Resilience (2017-2022). Since 2023 he holds a dual appointment at the National Technical University of Athens.

Anastasios obtained a 5-y diploma in Civil Engineering (1997, AUTh) graduating as the first student (*valedictorian*) in his class, an MSc with *distinction* in Earthquake Engineering by Imperial College London (1998) and a Ph.D. in Multiple Support Seismic Excitation of Bridges (AUTh, 2001) accomplished in the minimum nominal time of three years with *distinction*.

During 2011-23 he was awarded as Principal Investigator and managed as consortium coordinator, 29 Grants with a total budget of €20.7m (personal/institutional research income €5.6m with another €5.4m consortium budget management), funded by EU, UK, Greece, Germany and China. He is the coordinator (Lead PI) of a large EU/H2020 consortium on Seismic Risk of Natural Gas Pipeline Networks (€909k) and the holder of the EPSRC-Global Challenges €1.87m grant on the Seismic Safety and Resilience of Schools in Nepal. He is also the PI of the University of Bristol for the large Horizon Europe Project ERIES (total budget €11.6m, coordinator: University of Pavia) that funds the new SoFSI lab with €1m to offer translational access to third parties.

Anastasios has an extensive record of service to the earthquake engineering community. He is a member of the European Project Team for the Evolution of Structural Eurocodes (SC8.T6 for EN1998/Eurocode 8, PT6 for bridges), a member of the BSI 525/8 for seismic design in the UK, the co-Chair of the Work Group 11 for bridges and the National Delegate of Greece at the European Association for Earthquake Engineering, the elected President of the Hellenic Society of Earthquake Engineering (2017-2022), a member of the ASCE “Performance-based design” Technical Committee in USA and a former member of the Board of Directors of the Organization for Earthquake Planning in Greece, responsible for Civil Protection from earthquakes. He is an Associate Editor for the ASCE Journal of Structural Engineering, Earthquake Spectra, the Journal of Earthquake Engineering, Structure & Infrastructure Engineering Journal and the ASCE Journal of Pipeline Engineering, a member of the Editorial Board of 4 journals (incl. Bulletin of Earthquake Engineering, and Advances in Engineering Software) and Reviewer for 48 Journals. He serves as Research Grant evaluator in UK (UKRI/EPSC), EU (Horizon 2020), Switzerland (SNSF), Canada, USA, China, Chile, Greece, Czech Republic, Poland, Italy, Cyprus, Slovenia and UNESCO.

His portfolio includes 101 papers in quality scientific journals (with average impact factor 4.15), 4 books, 1 edited book, 21 book chapters, 123 international conference papers, magazine articles, interviews and earthquake investigation reports with over 4500+ citations (h-index 38 in Google Scholar, 28 in Scopus). He has been a Research Visitor at University California Berkeley (2007), a Fulbright Research Scholar at the University of Illinois at Urbana-Champaign (2012) and a High-End Expert in China (2016-2019). He is the recipient of 19 national and international awards for academic performance, teaching, and research excellence.

Anastasios’s research contributions are in the areas of computational and experimental earthquake engineering, dynamic soil-structure interaction, seismic risk of critical industrial facilities and pipelines, resilience of roadway, seismic design and assessment of bridges, lifeline networks and community resilience to natural hazards, realistic earthquake ground motion scenarios including multiple-support excitation of extended structures, smart structures, multi-resolution distributed simulations & hybrid testing, machine learning and structural health monitoring.