

**EQUIDAS** was established in 2012 by Christos Giarlelis and Evlalia Lamprinou. Over the last 20 years they have collaborated on a number of projects with a group of colleagues whose resumes are presented below.

The Equidas team has an excellent technical education, vast experience and a permanent commitment to aesthetics and cultural, social and environmental values.

### **Christos Giarlelis**

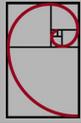


Christos is a structural engineer with expertise in the seismic performance of structures. After graduating in 1994 with an MEng degree in civil engineering from National Technical University of Athens, he received a fellowship from Rice University to pursue an MSc degree in Earthquake Engineering. He was a research assistant of professor A. Veletsos working on dynamic soil-structure interaction and retaining wall problems and he is currently active in research in this field. Christos is a licensed engineer in Greece and holds a C class (the highest class) certificate for structural design and a B class for geotechnical design. His professional career started in 1993. After the devastating 1999, Athens earthquake, he became an associate at Omete SA leading a team of engineers in various demanding seismic rehabilitation projects. He co-founded EQUIDAS in 2012. His work on seismic rehabilitation includes facilities of the Hellenic Petroleum S.A., a hospital complex renovated for the 2004 Paralympics, a building complex of the Labor Housing Organization, a Media Markt superstore, a Public SA retail store and various educational facilities in Athens and Cephalonia. He has worked on the restoration of historical structures such as the Ottoman Baths in Ioannina and the Hadrian Reservoir in Athens. He has been involved in the structural design of two international seismic isolated projects: the Onassis Cultural Center (Architecture Studio) and the Stavros Niarchos Foundation Cultural Center (Renzo Piano) also leading the team that performed the seismic analyses and the design of the isolation systems. He led a team of engineers working on the detailed design of several stations of the Doha Metro Gold line. Christos has been involved in various research projects and he is the co-author of more than 30 scientific papers published in international journals and conference proceedings. He is an adjunct lecturer at the graduate program of the Department of Civil Eng. of the University of West Attica, teaching courses related to the seismic design of structures. He is a member of two earthquake related working group of IABSE, a reviewer in international scientific journals focusing on earthquake engineering and a member of the scientific committee of various conferences on structural design.

### **Evlalia Lamprinou**



Evlalia, a senior engineer focusing on the structural design of new concrete and steel structures, is a National Technical University of Athens civil engineering graduate (1998). For her MEng thesis, she worked with professor E. Vintzileou on seismic rehabilitation techniques using FRPs. She continued her studies earning an MSc degree in Project Management from the Hellenic Open University and she is IPMA Level D Certified. She is the co-author of 8 scientific papers published in international journals and conference proceedings. Evlalia is a licensed engineer in Greece and holds a C class (the highest class) certificate for structural design. She started her professional career in 1999 at Omete SA and later she co-founded EQUIDAS. She works on the structural analysis and design of all types of structures from steel, timber or stone to reinforced concrete. She has experience in hospitals, hotels, cultural centers, schools, airports and industrial infrastructure, covering various scales, from large to small. She participated in the design of two international Cultural Centers: the Onassis Cultural Center and the Stavros Niarchos Foundation Cultural Center (SNFCC). She has been engaged in the detailed design of hospitals such as the 424 Military Hospital of Thessaloniki and the Filoktitis Recovery Center of Athens. She has worked in the structural design of power plants and industrial buildings: the upgrade of existing electrostatic ash filters and the installation of new ones of PPC/SES Agios Dimitrios, the construction of steel staircases and conveyors for the same project and the headquarters of ABB SA in Thessaloniki. She led a team of engineers working on the detailed design of several stations of the Doha Metro Gold line (under construction).



### **Costis Repapis**



Costis is an Associate Professor at the Department of Civil Engineering of the University of West Attica and an experienced consultant in the seismic design of building projects. After completing his undergraduate studies as civil engineer at National Technical University of Athens (1999) during which he was awarded four scholarships, he received a fellowship from both the Eugenides Foundation and the EPSRC of UK to pursue an MSc and DIC degree in Earthquake Engineering & Structural Dynamics at Imperial College, London. He gained his PhD in seismic design of reinforced concrete structures from NTUA. Since 2006 he has been a teaching assistant at the Department of Civil Engineering at the University of West Attica and in 2019 he was elected an Associate Professor. He teaches Earthquake resistant design of structures, Reinforced concrete structures and Statics. His main research fields are earthquake engineering, concrete structures and performance-based design. He has participated in five research projects; he is the co-author of more than 40 scientific papers published in international journals and conference proceedings and three technical reports as well as a reviewer in five international scientific journals focusing on earthquake engineering. Costis is a licensed engineer in Greece and holds a C class (the highest class) certificate for structural design. He started his professional career at A.Athanasiadis-K.Kalatzi & Associates Ltd in 2001 and he has participated in the structural design of the Olympic Indoor Gymnasium and Table Tennis Hall for the Athens 2004 Olympic Games, the Town Hall building at Halandri, the building complex of the department of Education Studies for Democritus University of Thrace and the extension of the building complex of the Department of Chemical Engineering of NTUA. He is a consultant and member of the EQUIDAS team since 2012.

### **Varia Totsika**



Varia is a senior structural engineer with vast experience in the final, detailed design and supervision of reinforced concrete structures both in building and infrastructure projects. She is a National Technical University of Athens graduate (MEng), a licensed engineer in Greece and she holds a C class (the highest class) certificate for structural design and a B class for geotechnical design. She started her professional career in 1984, collaborating with Polychronopoulos Consulting Engineers and later she became an associate and partner at Omete SA (1988-2010). Since 2012, she is part of the EQUIDAS team. Her technical experience spans a range of areas: She has been involved in the structural design and supervision of Educational buildings including the Civil Engineering building of the University of Thessaly and the new elementary school of Paphos; Medical facilities such as the Filoktitis Recovery Center of Athens; Recreational buildings like the Carrefour Cinema Multiplex and Mall of Larissa and office buildings such as the Social Security organization of Greece and the Galenica SA headquarters. She has been involved in the structural design of major infrastructure projects that include the final and detailed design of a number of stations of the Athens Metro, the Thessaloniki Metro, and the Railway Station of Idomeni. She led a team of engineers working on the detailed design of several stations of the Doha Metro Gold line (under construction). She has been engaged in the design of industrial projects like the Design of Unit V of Aliveri Powerplant, (Metka SA), the Development of the Maritime Industrial Area (NA.VI.PE.) at Astakos harbor, the final and detailed design of silos and platforms for the Psitallia Wastewater Treatment Plant, the 5th PPC Power Plant of Kozani and the Milk Production Plant of Delta SA in Athens.



### **Tassos Drassas**



Tassos is a senior structural engineer with focus on the structural design of concrete and steel structures. He has been involved in a variety of projects ranging from seismic rehabilitation of buildings to tunnel design. He holds a BSc and an MSc in civil engineering (1997) from the University of Manchester Institute of Science and Technology (UMIST). For his MSc thesis he worked on fatigue monitoring devices. He started his professional career working for Attiko Metro SA in the construction supervision of metro stations in Athens. He was an associate at Omete SA (2000-2009), of CCS SA (2009-2011) and became part of the EQUIDAS team in 2012. He has been involved in seismic rehabilitation projects including a hospital complex renovated for the 2004 Paralympics, a Public SA retail store and the historical structures of the old Municipal Hospital of Patras. He has worked on the design of two international Cultural Centers: the Onassis Cultural Center and the Stavros Niarchos Foundation Cultural Center (SNFCC). He has provided structural design for the 424 Military Hospital of Thessaloniki and the NATO command headquarters in Larissa. His work on underground structures includes the structural design of Dalston Station of the East London Line Project (URS Scott Wilson), of precast Concrete Railway tunnels in France (Matière SA) and the detailed design of stations of the Doha Metro Gold line.

### **Eva Kouri**



Eva is a senior structural engineer with expertise in the detailed design of reinforced concrete structures. She is a licensed engineer in Greece and holds a C class (the highest class) certificate for structural design and a B class for geotechnical design. After graduating with an MEng degree in civil engineering from National Technical University of Athens in 1990, she worked for two years on the design and supervision of private projects in Heraklion, Crete. Later, she became an associate at Omete SA (1992-2012) and worked on the structural analysis and design in a wide range of major projects. Since 2012, she is a member of the EQUIDAS team. She has been engaged in the detailed design of hospitals such as the 424 Military Hospital of Thessaloniki and the Filoktitis Recovery Center of Athens. She worked on the seismic rehabilitation of buildings and historical structures that include Grande Albergo Delle Rose (Rhodes Casino) and Moni Lazariston. She worked on the detailed design of the Telecommunications Building of Athens New Airport, the Heraklion (Crete) International Airport and the Heraklion Archaeological Museum. She has been involved in the structural design of major infrastructure projects that include a series of stations for the Athens Metro and the Doha Metro Gold line (under construction). She has provided structural design and analysis for three international Cultural Centers: the extension of the Music Hall of Athens, the Onassis Cultural Center and the Stavros Niarchos Foundation Cultural Center (SNFCC).

### **Nikolaos Kyriakos**



Nick is a senior structural engineer with expertise in the structural design of infrastructure projects (bridge design, culverts, underpasses and earth-retaining structures). He holds an MEng degree (1993) in civil engineering from National Technical University of Athens. For his thesis he worked with professor M. Papadrakakis on the use of substructures for the optimization of the finite element method. He is a licensed engineer in Greece who started his professional career in 1993 at OTM SA. He has been involved in the structural design of major infra-structure projects that include the coordination, conceptual, preliminary and detailed design of RC bridges, prestressed bridges, bridge foundations, retaining structures and piled walls for the Attiki Odos (A6), the Patras-Athens-Thessaloniki-Evzoni (A1), the Egnatia (A2), Tripoli-Kalamata and Lefktro-Sparta Motorways. He provided the structural design and analysis of waterfront structures (piled access jetty, breasting & mooring dolphins and relevant catwalks) for a major marine terminal project in Saudi Arabia. He served as consultant for ERGOSE SA, engaged in the coordination, checking and supervision of the structural design of concrete railway and highway bridges, steel footbridges and train sheds, station buildings and culverts.