

CURRICULUM VITAE

1. Name : Christos TSATSANIFOS

2. Professional Title: Civil / Geotechnical Engineer, Ph.D

3. Date of birth: 30 November 1951

4. Nationality: Greek

5. Professional Education:

Institution	NATIONAL TECHNICAL UNIVERSITY OF ATHENS
Date	July 1974
Degree	Diploma / M.Sc. in Civil Engineering

Institution	IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF LONDON, U.K.
Date	August 1976
Degree	M.Sc. in Soil Mechanics

Institution	IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF LONDON, U.K.
Date	September 1976
Degree	D.I.C. in Soil Mechanics

Institution	IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF LONDON, U.K.
Date	June 1982
Degree	Ph.D. in Soil Dynamics

Institution	IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF LONDON, U.K.
Date	July 1982
Degree	D.I.C. in Engineering Seismology

6. Training Courses:

He attended a three months seminar, organized by the Hellenic Productivity Centre from March 19 to May 28, 1975, for the electronic computer language FORTRAN IV.

He followed seminar on statistics, organized by the Hellenic Society for Operational Research Studies from January 14 to February 16 1977.

He attended the seminar Computational Geotechnics, Delft, 15 - 19 January 1996, organized by the Stichting Postacademisch Onderwijs in de Civiele Techniek en Bouwtechniek Delft (PLAXIS)

7. Computer Skills:

Microsoft Office applications (word, excel, power point etc), extensive use of many geotechnical engineering programs

Use of PETAL, STABL, XSTABL, SARMA, EQS (SARMA), SLIDE, SWEDGE, UNWEDGE, ROCK-FALL, ReWard, PLAXIS, PHASE 2, CPILLAR, SHAKE, ROCKDATA, DIPS etc computer programs

8. Countries of Work Experience:

His work experience is mainly from Greece and Qatar. He has worked for short periods in Abu Dhabi, Bulgaria, Cyprus, Romania, Turkey and United Kingdom and he has participated in different projects' designs in Algeria, Dubai, Ethiopia, Gabon, Nigeria, Ras Al Khaimah and Saudi Arabia.

9. Employment Record:

Date	March 2015 to today
Employer	QATAR RAIL / DB ENGINEERING & CONSULTING GmbH, Doha, Qatar
Position held	Tunnel / Geotechnical Expert for the construction of the Doha Metro, the Lusail Light Train, the Long Distance Train, the Transit Oriented Development at 12 Metro Stations and the Transport Education Centre

Date	January 2017 to today
Employer	"PANGAEA CONSULTING ENGINEERS" LTD, Athens, Greece
Position held	Senior Technical Advisor

Date	October 1984 to December 2016
Employer	"PANGAEA CHRISTOS TSATSANIFOS & ASSOCIATES CONSULTING ENGINEERS" Co and "PANGAEA CONSULTING ENGINEERS" LTD, Athens, Greece
Position held	Managing Director

Date	April 1980 to September 1984
Employer	"TRITON CONSULTING ENGINEERS" Co, Athens, Greece
Position held	Partner, head of the geotechnical section

Date	1981
Employer	"ROFE, KENNARD & LAPWORTH CONSULTING ENGINEERS "
Position held	Soil dynamics external consultant

Date	1981
Employer	"OVE ARUP & PARTNERS CONSULTING ENGINEERS"
Position held	Engineering seismology external consultant

Date	1979
Employer	"BINNIE AND PARTNERS CONSULTING ENGINEERS"
Position held	Engineering seismology external consultant

Date	December 1976 to June 1978
Employer	"HELLENIC AEROSPACE INDUSTRY" S.A., Athens / Tanagra Site, Greece
Position held	Director of the quality control laboratory during the construction of the company's installations

Date	July 1976 to December 1976
Employer	"GEOEREVNITIKI" LTD, Athens, Greece
Position held	Associate soil mechanics engineer

Date	November 1974 to September 1975
Employer	"GEOEREVNA" S.A., Athens, Greece
Position held	Associate soil mechanics engineer

10. Professional Experience:

Tunnels and Underground Works

Involved in the design and construction of more than 40 tunnels and underground structures in different stages of their construction, i.e. preliminary design, offer design, final design, detailed design, design check, consultant of owner or the contractor during the construction stage.

He served as consultant for the Special Service for Road Tunnels and Underground Works of the Ministry of Environment, Planning and Public Works of Greece (tunnel design, designs' review, consultant in tunnelling construction, preparation of specifications and of tender documents etc.) from December 1993 to June 2000. He is Tunnel / Geotechnical Expert in Qatar Rail, Qatar since 2015 for the construction of the Doha Metro, the Lusail Light Train, the Long Distance Train, the Transit Oriented Development at 12 Metro Stations and the Transport Education Centre of the Qatar Ministry of Transport.

Member of the Technical Committee TC 28 "Underground Construction in Soft Ground" of the International Society on Soil Mechanics and Foundation Engineering from 1998 to 2001, and of the Road Tunnels Committee (C5) of the World Road Association / PIARC (Permanent International Association of Road Congresses) from 1997 to 2007.

Geotechnical Earthquake Engineering – Engineering Seismology

Evaluation of the seismic risk of certain locations in Greece, Algeria and Turkey for the construction of dams.

Evaluation of the liquefaction potential of certain locations.

Special foundation design of structures to withstand liquefaction problems.

Earthfill and Rockfill Dams

Involved in the design and construction of more than 25 earthfill and rockfill dams in different stages of their construction, i.e. preliminary design, final design, detailed design, consultant of the owner or the contractor during the construction stage, supervision and quality control during the construction, design and installation of monitoring instruments, interpretation of monitoring results.

He served as consultant for the Ministry of Rural Development and Food of Greece and Greek Prefectures (designs' review, consultant in dam construction, preparation of tender documents, supervision and quality control during the construction etc.) from 1992 to today.

Pipelines and Industrial Installations

Involved in about 30 projects of industrial installations (airport, petrochemical, natural gas etc.) and pipelines as designer and consultant during the construction. Also for quality control during the construction.

Harbour / Offshore Works

Involved in the geotechnical design of ten harbour and offshore structures.

Slopes - Investigations of Landslides

Involved in the investigation of 10 major landslides and rockfalls in Greece, including the stabilization of the slopes of the Santorini volcano, and in the detailed design of numerous cut slopes.

Retaining Structures

Involved in many deep excavations for the construction of METRO stations, underground garages and in retaining walls in different stages of their construction, i.e. preliminary design, offer design, final design, detailed design, consultant of the owner or the contractor during the construction stage.

Protection of Monuments and Archaeological Sites

Involved in the design of remedial and protective measures of many monuments.

He served as Chairman of the Technical Committee TC19 of the International Society for Soil Mechanics and Geotechnical Engineering on the "Preservation of Historic Sites" from 2001 to 2009.

Foundations

Numerous designs of foundations (surface and deep) for buildings, industrial installations, bridges etc.

Pavements

Involved in the design of motorways and airfield pavements, in the design of investigations for assessing the capacity of existing pavements, as well as in supervision during the construction stage of concrete pavements (air installations taxiways).

Codes, Standards, Specifications

Member Technical Committee for Drafting Specifications for Tunnelling Construction. Institute of Constructions' Economy - General Secretariat of Public Works - Ministry of Environment, Planning & Public Works – ERGA OSE S.A. 2002

Member of the 4th Committee for the Final Check of the Temporary Technical Specifications for Dams, Tunnels and Geotechnical Works - Action Plan for the Modernization of Public's Works Production System / Institute of Construction' s Economy - General Secretariat of Public Works - Ministry of Environment, Planning & Public Works, 2003.

11. Academic Experience:

Date	December 2014 to today
Institution	Department of Design of Buildings and Constructions of the Architecture and Construction Faculty of the L. N. Gumilyov Eurasian National University, Astana, Kazakhstan
Position held	Visiting Professor of Geotechnical Engineering

Date	May 2013 to today
Institution	Geotechnical Section, Department of Civil Engineering, National Technical University of Athens
Position held	Visiting Lecturer on Applications of Geosynthetics

Date	Academic Year 1999 – 2000
Institution	National Technical University of Athens
Position held	Senior Teaching Associate in the Interdepartmental Postgraduate Course of the Department of Mining and Metallurgy Engineering and the Department of Civil Engineering «Design and Construction of Underground Structures»

Date	Academic Year 1991 ÷ 1992
Institution	Air Forces Academy of Greece / School of Engineering / Department of Civil (Airport Installations) Engineering
Position held	Professor of “Explosives and Rock Excavation”

Date	From 1984 to today
Institution	Geotechnical Section, Department of Civil Engineering, National Technical University of Athens
Position held	Co-tutoring of Diploma Theses

Date	From 1984 to today
Institution	National Technical University of Athens, Departments of Civil Engineering of the Aristotle's University of Thessaloniki and of the University of Patras
Position held	Participation in research projects

Date	From 1984 to 1998
Institution	Air Forces Academy of Greece / School of Engineering / Department of Civil (Airport Installations) Engineering
Position held	Professor of “Soil Mechanics – Rock Mechanics – Foundations”

12. Scientific Experience:

Hellenic Society for Soil Mechanics and Geotechnical Engineering.

Member of the Executive Committee since 1991, Vice President B' 2001 ÷ 2005, Vice President A' 2005 ÷ 2008, President 2008 ÷ 2015, Editor of the Electronic Bulletin "THE NEWS OF THE HSSMGE" since 2005.

International Society for Soil Mechanics and Geotechnical Engineering

Co-Chairman of the Technical Committee TC19 of the International Society for Soil Mechanics and Geotechnical Engineering for the "Preservation of Historic Sites" 2001-2005 and Chairman 2005-2009.

Greek Tunnelling Society

Founding member. Member of the Executive Board and Liaison Officer with the International Tunnelling Association 2001 ÷ 2005. Member of the Auditing Committee 2005 ÷ 2008

13. Languages (1-Excellent, 5-Basic):

Language	Reading	Writing	Speaking
Greek (mother tongue)	1	1	1
English	1	1	1
French	4	4	5

14. Membership of Professional Associations:

Technical Chamber of Greece.

Hellenic Society for Soil Mechanics and Geotechnical Engineering. Member of the Executive Committee since 1991, Vice President B' 2001 ÷ 2005, Vice President A' 2005 ÷ 2008, President 2008 ÷ 2015.

Greek Society for Earthquake Engineering. Founding member.

Greek Committee on Large Dams.

Greek Tunnelling Society. Founding member. Member of the Executive Board and Liaison Officer with the International Tunnelling Association 2001 ÷ 2005. Member of the Auditing Committee 2005 ÷ 2008.

Hellenic Section for Earthquake Engineering.

Greek Geotechnical Engineers Association. Founding member, General Secretary of the Executive Board 2003-2006.

Hellenic Geosynthetics Society (HGS). Founding member.

Society for the Study of Greek Ancient Technology (EMAET).

Hellenic Association of Consulting Companies (HELLASCO) (member of the Control Committee, 1991 ÷ 1995, General Secretary of the Executive Board, 1998 ÷ 1999, Reserve Member of the Executive Board, 2000 ÷ 2001, Conveyor of the Permanent Group of Geotechnics since 2000).

Greek Consultants Society.

International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE).

International Society for Rock Mechanics (ISRM).

International Geosynthetics Society (IGS).

American Society of Civil Engineers (ASCE).

British Geotechnical Association (BGA).

British Tunnelling Society (BTS).

Seismological Society of America (SSA).

Society for Earthquakes and Civil Engineering Dynamics (SECED) - United Kingdom.

15. Certification:

Registered Civil Engineer at the Technical Chamber of Greece (Registration Number 20077)

Registered Consultant – Designer at the Ministry of Public Works of Greece (Registration Number 2288)

Date: November 2018