



# TIME CAPSULE PROJECT CONTENTS

for

## Turkish Society for Soil Mechanics and Geotechnical Engineering

*Coordinator: Prof. Ilknur Bozbey, Istanbul University-Cerrahpasa, Turkey*  
*Member of National Society Board*

# The Core Team

- Members from the Turkish Soil Mechanics and Geotechnical Society
- Prof. Ilknur Bozbey
- Prof. Feyza Cinicioglu
- Prof. Aykut Senol
- Mr. Alp Gokalp
- Prof. Banu Ikizler
- Mr. Emirhan Altinok (Phd. Student, Research Assistant, representing the young members)

1. "A brief history:  
Turkish National  
Society for Soil  
Mechanics and  
Geotechnical  
Engineering"  
by Prof. Ergün  
Toğrol

INTRVIEW\_VIDEO

- **Interview with Prof. Ergun Togrol**
- He has been involved in the Turkish Society from the very early years...
- He acted as the President of the Society for about a decade.
- was the chairman of the ISSMGE World Conference in Istanbul in 2001.
- We organized a short interview with him about the early days of geotechnical engineering in Turkey



## 2. Karl von Terzaghi's Istanbul days

POSTER (8 pages)

### A PHOTOGRAPH AND BEYOND:

**KARL VON TERZAGHI,  
AN ACADEMIC IN  
"MÜHENDİS MEKTEB-I ÂLİSİ"  
IN ISTANBUL, TURKEY  
1918**



Prepared for the Time Capsule Project of ISSMGE  
March 2022

Turkish Society for Soil Mechanics and Geotechnical Engineering  
zmgm.org.tr

### An Unexpected Invitation from an Old Professor

In 1916, Terzaghi was invited to Istanbul by Prof. Forchheimer; who was appointed to Mühendis Mekteb-i Âlîsi (Istanbul Technical University of the present) to re-organize the engineering education program. Terzaghi accepted the invitation and arrived in Istanbul with his wife and newly born daughter in September 1916. According to Ozudogru (2000), he expressed his feelings for arrival to the city as;

*"I was mesmerized as soon as I saw one of the most beautiful ports of the world and the city that surrounds it with its shimmering beauty"*



Peirre Loti Café is known to be one of the most favorite places of Terzaghi during his stay in Istanbul. This café is still one of the most beautiful places where you can enjoy a delicious Turkish coffee and watch the Golden Horn and the city from a hill.

# 3. Evaluation report prepared for evaluation questionnaire of March 2022

Why and where are we strong, why and where are we weak, what are the opportunities and threats ahead? What do young members plan to do? How do we make geotechnical engineering a more attractive field in Turkey?

POSTER- 1 page  
(Evaluation report in Turkish)



In order to evaluate the current situation and future of geotechnical engineering in Turkey, a questionnaire was sent to all our individual and student members in March 2022. Sixty members responded. A summary of their responses are summarized here.

## STRENGTHS

- Strength of geotechnics as it is
- Strength of the education and the academy
- Strength of the projects, e.g. mega projects.
- Strength of the people involved
- Strength of the softwares
- Strength of the companies
- Strength of the Turkish geotechnical society

## WEAKNESSES

- Difficulties in defining geotechnical engineering as a specialty area in Turkey
- Problems in companies
- Insufficient data for geotechnical soil characterization
- Lack of monitoring and instrumentation
- Deficiencies in cooperation between different parties
- Educational shortfalls
- Problems in control mechanisms
- Problems in numerical modeling

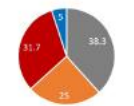
## THREATS

- The threat that geotechnical engineering is not recognized as a specialty area in Turkey
- The threat of inadequate engineers and their narrow perspectives
- Threats for the companies
- Threats posed by deficiencies in education
- Threats that cause insufficient R&D
- Threats posed by working conditions
- Threats for obtaining sufficient data for design

## OPPORTUNITIES

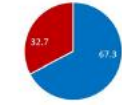
- A much needed geotechnical engineering
- A geotechnical engineering that expands/enriches by covering different topics
- A geotechnical engineering practiced by specialist companies
- A geotechnical engineering that embraces knowledge and innovations
- A geotechnical engineering with qualified manpower

### HOW OLD?



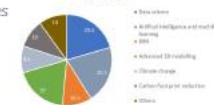
45+ 35-45 25-35 18-25

### MEMBERSHIP STATUS



Individual member Student member

### EMERGING RESEARCH ISSUES IN THE FUTURE FOR TURKEY



# 17 pages evaluation report in Turkish



## ZEMİN MEKANİĞİ VE GEOTEKNİK MÜHENDİSLİĞİ DERNEĞİ ÜYE ANKET DEĞERLENDİRME RAPORU

"NEDEN VE NEREDE GÜÇLÜYÜZ, NEDEN VE NEREDE ZAYIFIZ, ÖNÜMÜZDEKİ FIRSATLAR VE TEHDİTLER NELER? GENÇLER NE YAPMAYI PLANLIYOR? GEOTEKNİK MÜHENDİSLİĞİ NASIL DAHA CAZİP BİR ALAN HALİNE GETİRİLEBİLİR?"

### 1. GİRİŞ

Geoteknik mühendisliğinin ülkemizdeki mevcut durumunun üyelerimiz tarafından nasıl değerlendirildiğini anlamak üzere Mart 2022'de tüm bireysel ve öğrenci üyelerimize bir anket gönderilmiştir. Anketi dolduran tüm bireysel ve öğrenci üyelerimize teşekkür ediyoruz. Ankete verilen cevaplar bu dokümanda değerlendirilmektedir. Üyelerimizin görüşlerini aktardıkları bölümler, anlam bütünlüğünü bozmadan bazı durumlarda aynen, bazı durumlarda kısaltılarak, benzer yorumlar birleştirilerek rapora alınmıştır.

### 2. ANKETİMİZİ KİMLER DOLDURDU?

Anket 60 üye tarafından doldurulmuştur. Bu üyelerin %67'i bireysel üye, %33'ü ise öğrenci üyemizdir. Anketi dolduran üyelerimizin %38'i 45 yaş üstü, %5 ise 18-25 yaş aralığındadır, %60'ü doktora, %30'u yüksek lisans mezunudur. %15'i doktora, %10'u ise yüksek lisans eğitimine devam etmektedir.

## ACTION PLAN

As the Turkish Society for Soil Mechanics and Geotechnical Engineering, our next goal is to create an action plan:

- What kind of measures can be taken for our current weaknesses and for the threats in front of us
- How can we solidify our current strengths and create a fruitful environment for the opportunities in front of us

for a more effective soil mechanics and geotechnical engineering in Turkey. The detailed report is in Turkish and can be assessed via [zmgm.org.tr](http://zmgm.org.tr) website. We thank our members for their contributions.