

IZTECH, FACULTY OF ARCHITECTURE, DEPARTMENT OF
CONSERVATION AND RESTORATION OF CULTURAL HERITAGE
SEMINARS

Fall Semester 2024-2025

E Block 115

EVERY MONDAY 15.30

Teams' Code: oio6fgb

Moderators: Prof. Dr. Mine Turan, Prof. Dr. Hülya Yüceer

Weekly Schedule of Seminars:

1 October 2024: Review of research tools

7 October 2024: Importance of Literature Review, **Nihan Bulut, MS**

14 October 2024: Conservation, Management, and Presentation Strategies for İnönü Pembe Köşk House Museum as the Witness of Early Republican Turkey, **Pınar Balkan, MS**

21 October 2024: Modern Non-Destructive Structural and Geotechnical Assessment Techniques for Preservation of Built Heritage. Structural Conservation Projects in Egypt, **Prof. Dr. Sayed Hemed**

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MzI3MDYxOWQtMTMzZi00OTVklThkY2EtNjQ0YjgxNGZhNzBj%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d

28 October 2024: Holiday (Republic Day)

4 November 2024: Nondestructive Evaluation Methods for Evaluating Masonry Construction, **Michael Schuller, P.E. FTMS, FAPT**

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MWY5YTkxN2UtNmRjOS00NmM4LTg1MGMtZDQxNTU3M2RiMzI1%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d

11 November 2024: Conservation of cultural landscapes, **Dr. Ayşen Etlacakuş**

18 November 2024: From 1:1000 to 1:1 Scale: Documentation of Archaeological Sites, **Selin Küçük, MS**

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZlZDBmMDItYTEwYS00NGExLTliMTQqZWU1MDQ3ZWQzYWY0%40thread.v2/

[0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDJkN2NjMTMtNTQyNi00ZjJmLTk0ZGMtNWFjOGNiODA3YmU4%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d)

25 November 2024: Student Presentation – Literature review of individual research

2 December 2024: Structural Conservation Problems of Mardin Houses, **Yasemin Ercan (MS)**

6 December 2024: Nicosia and the Poetics of Space, **Hugh Clarke (FRIDAY)**

9 December 2024: Impact of facade orientation to the energy use of historical houses: houses with exterior hall (*sofa*) in Southwestern Anatolia, **Dr. Barış Ali Timur**

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDJkN2NjMTMtNTQyNi00ZjJmLTk0ZGMtNWFjOGNiODA3YmU4%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d

16 December 2024 Conservation and Management of Historic Cities: The Case of Sebastia in Nablus Palestine, **Dr. Zahraa Zawawi**

23 December 2024 Ethnographical Field Research, **Assoc. Prof. Dr. Ozan Uştuk**

30 December 2024

13 January 2025: Student Presentation – Problem definition, aim and method of individual research

ONLINE SEMINAR
21 OCTOBER 2024 15.30

Title:

Modern Non-Destructive Structural and Geotechnical Assessment Techniques for Preservation of Built Heritage. Structural Conservation Projects in Egypt

Prof. Dr. Sayed Hemed

Chairman of the Architectural Conservation Department, Faculty of Archaeology, Cairo University.
Sayed HEMEDA is named a top scholar and has placed in the top 0.5% of all scholars worldwide by ScholarGPS in August 2024

Awarded the Cairo University,s Prize of scientific excellence in 2017

Ph.D in Civil Engineering, Aristotle University of Thessaloniki, Greece

Editor in Chief Journal of Advances in Geological and Geotechnical Research (Singapore)

Teams link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MzI3MDYxOWQtMTMzZi00OTVklThkY2EtNjQ0YjgxNGZhNzBj%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d

ONLINE SEMINAR

4 November 2024 15.30

Title:

Nondestructive Evaluation Methods for Evaluating Masonry Construction

Description:

Conservation of existing masonry structures begins with having a well-founded understanding of as-built construction and existing conditions. Many different methods are available for diagnosing conditions of brick and stone masonry, ranging from use of simple hand tools to specialized approaches requiring expensive equipment and years of experience. Nondestructive evaluation (NDE) techniques offer alternatives to destructive probe openings for evaluating subsurface hidden conditions without damage to existing materials. We will discuss general applications of several methodologies and the unique challenges of applying NDE to evaluation of masonry materials. In situ test methods will also be presented and, while not truly nondestructive, these techniques allow gathering essential information on conditions and material properties with minor disruption to existing fabric.



MICHAEL SCHULLER P.E. FTMS FAPT

Michael Schuller is president of Atkinson-Noland & Associates, a consulting engineering firm specializing in evaluation and repair of existing structures. He has 30 years' experience with masonry engineering including special expertise with nondestructive evaluation and repair procedures. Over the years he has written over 100 publications on concrete and masonry including a new book titled "Assessment and Retrofit of Masonry Structures." He taught masonry structural design at the University of Colorado from 1999 through 2016.

Teams' Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MWY5YTkxN2UtNmRjOS00NmM4LTg1MGMtZDQxNTU3M2RiMzI1%40thread.v2/0?context=%7b%22Tid%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22Oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d

ONLINE SEMINAR

18 November 2024 15.30

Title:

From 1:1000 To 1:1 Documentation of Archaeological Sites

Documentation of archaeological sites, i.e., recording all movable and immovable cultural heritage, is a significant phase of cultural heritage management. Comprehensive documentation that complies with the standards is not only necessary but also obligatory.

The history of archaeological documentation dates back to the beginning of scientific archaeological excavations. Even though it is mostly defined by standards and previous practices, the documentation methodology depends on the current technology level.

Extreme budget, labour, and time requirements force the archaeology field to digitise, thereby increasing overall efficiency, similar to other industries. In recent years, there has been a technological shift in archaeological documentation. Most projects now prefer digital surveying equipment, such as laser scanners and robotic total stations, instead of conventional mechanical devices like theodolites. Besides, traditional documentation methods are being abandoned.

With respect to the integration of real-time data processing technology into archaeological documentation, receiving the surveying equipment's data and drawing archaeological remains instantly in a CAD interface instead of graph papers is possible. This lecture will present the surveying, mapping, and architectural documentation processes from 1:1000 to 1:1 scale, drawing on studies conducted at the Amos and Mokissos archaeological sites.

Selin Küçük (MS)

Selin Küçük, 1990 yılında İzmir'de doğmuştur. İTÜ Mimarlık Bölümü'nde öğrenci olduğu yıllarda arkeolojik kazılarda belgeleme ve koruma alanlarında çalışmaya başlamıştır. İTÜ Çevre Kontrolü ve Yapı Teknolojisi programında yüksek lisans yapmış, tezinde kabile konutlarının mimarisi üzerine çalışmıştır. 2017'de kurduğu FieldTech Mühendislik isimli şirketinde geliştirdiği patentli gerçek zamanlı veri işleme teknolojileri, ulusal ve uluslararası pek çok kurum tarafından ödüllendirilmiş; Amos, Mokissos, Horoztepe, Syedra gibi arkeolojik alanların belgelenmesinde kullanılmıştır. 2024'te İTÜ Restorasyon doktora programına başlamıştır.

Teams' Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZlZDBmMDItYTEwYS00NGExLTliMTQtZWU1MDQ3ZWQzYWY0%40thread.v2/0?context=%7b%22id%22%3a%220f12a35c-45f6-462f-bfa1-0992ccd85ff7%22%2c%22oid%22%3a%22c6b88d9a-c96f-4928-b7b0-efc20a5405b4%22%7d