

EMIW 2022

XXV ELECTROMAGNETIC INDUCTION WORKSHOP

11-17 September 2022
Grand Hotel Ontur ■ Çeşme-Turkey



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On behalf of the Local Organization Committee, it is both my pleasure and honour to invite you to the **25th international Electromagnetic Induction Workshops (EMIW2022)**, the premier event of the EM geophysics community and IAGA Division VI. The 25th Workshop will be held on **11-17 September 2022** in Çeşme by academic institutions and companies from Turkey, represented by a local organising committee (LOC). The University of Ankara is responsible for coordinating the workshop arrangements. This EM Workshop will be the second to be organised in Turkey after 42 years; the 5th EM Workshop, held in 1980, was organised by Istanbul University.

The EMIW2022 at Çeşme will provide an excellent opportunity for scientists, researchers, students, and representatives from numerous industry sectors and public institutions to exchange and discuss the latest developments in EM methodology and technology.

The workshop location Çeşme is a Mediterranean seaside resort on the Aegean Sea. The name 'Çeşme' means 'fountain' and comes from many wells dating back to the Ottoman period. The workshop venue is located on the Aegean coast with a beach. The province has some important locations for scientists, particularly the EM community.

In ancient times, the region was called Ionia and contributed to world history in various ways. It was the main gateway for the migration of the first farmers to Europe from 9000 BC during the Neolithic revolution. The largest and most populous Hellenistic and Roman cities were founded in Ionia. Ephesus was the most important center for the rise of Christianity. St. Paul lived in Ephesus from 52 to 54 AD, working with the congregation and organizing missionary work in the hinterlands. Emperor Justinian I had the Basilica of St. John built in the 6th century AD. The ancient city of Miletus is the home of Thales, Anaximander and Anaximenes, the most famous Miletus natural scientists of the classical period. In 582 BC, Thales predicted the solar eclipse and established new theories in astronomy and geometry. Anaximander and Anaximenes formulated the first scientific rule: "A sufficient reason for a natural phenomenon exists in nature". However, they assumed it is possible to reach objective reality through knowledge alone without experimentation. The word "magnet" comes from the ancient city of Magnesia. The first standard coin (the invention of money) was minted in Sardis about 650 BC.

EMIW2022 participants will have the opportunity to visit Ephesus and other exciting sites such as the Temple of Artemis, the Basilica of St. John and the Museum of Ephesus. The excursion route follows the Menderes River, which flows in a series of twists and turns. The term 'meander' is derived from the Menderes River.

Finally, I would like to inform you that the workshop's theme is 'virtue', personified by the statue of the ancient goddess Arete found at the Celsus Library in Ephesus. Aristotle describes 'Arete' as making the best of one's own capabilities and potentials. Three other statues accompany Arete in the niches of the Celsus Library: Sophia, Episteme and Ennoia, symbolizing wisdom, knowledge and intelligence, respectively. These are the values that illuminate the path of scholars.

Hope to see you in Çeşme, in September 2022.
Prof. Dr. Ahmet T. Başo ur, Chair of LOC

LOCAL ORGANIZING COMMITTEE

Ahmet T. Başokur (Ankara University, Chair of LOC)
İrfan Akca (Ankara University, Co-chair of LOC, Local Treasurer)
Şevket Demirbaş (Chamber of Geophysical Engineers of Turkey, CGET)
Emin U. Ulugergerli (18 Mart University)
Gökhan Göktürkler (Dokuz Eylül University)
Çağlayan Balkaya (Süleyman Demirel University)
Ertan Pekşen (Kocaeli University)
Özlem Hacıoğlu (Karadeniz Technical University)
Tevfik Kaya (Schlumberger Turkey)
Erhan Erdoğan (Phoenix Geophysics)

You can contact the LOC by sending an email to: 25th.emiw@gmail.com

IMPORTANT DATES

Registration/abstractsubmission/financial support application opens	14 February, 2022
Deadline for Financial Support Application	10 April 2022
Deadline for Abstract Submission	19 June 2022
Deadline for Early Bird Registration	10 April 2022
Deadline for Regular Registration	21 August 2022
Deadline for Online Hotel Reservation	20 June 2022

KEYNOTE REVIEWS

Bülent Tank	Electromagnetic studies in the Eastern Mediterranean Region with Special Reference to Major Strike-slip Faults
Pierre Wawrzyniak	Temporal variability of EM transfer functions
Irfan Akca	Near surface EM technologies – Archaeological and environmental applications
Liangjun Yan	Electromagnetic technology for prospecting unconventional hydrocarbon resources
Alexander Grayver	Unravelling the electrical structure of the mantle with ionospheric, magnetospheric and oceanic EM signals
Klaus Spitzer	Electromagnetic modeling using adaptive grids
Sophie Hautot	East African Rift from an electromagnetic perspective: Geodynamics, Evolution, Resources and Geothermics

ABSTRACT SUBMISSION

Abstract submission will be open by 14 February 2022. Please follow the instructions for submission given on page <https://emiw2022.emiw.org/abstracts/>

Submission Topics

- Instrumentation, sources and data processing
- Theory, Modelling and Inversion
- Exploration, Monitoring and Hazards
- Tectonics, Magmatism, Geodynamics
- Marine EM
- Rock and Mineral Resistivity, and Anisotropy
- Global and Planetary Studies
- EM Induction Education and Outreach

REGISTRATION FEES

	Early bird till 10 April 2022	Regular till 21 August 2022	On-site after 22 August 2022
Delegate	440 €	490 €	540 €
Student	280 €	320 €	360 €
Retired	285 €	325 €	375 €
Accompanying person	200 €	240 €	280 €

In addition to participation in scientific programme, registration fee includes

- Ice-breaker party (Sun, 11 Sep)
- Coffee-breaks
- Excursion (Wed, 14 Sep)
- Workshop bag, name badge
- Workshop Gala Dinner (Sat 17 Sep evening)

VENUE



Grand Hotel Ontur Cesme is a 5 star all inclusive deluxe hotel with views of the Aegean Sea and Chios Island in the tip of Dalyan.

<https://emiw2022.emiw.org/accommodation/>

EXCURSION

The traditional EM Workshop excursion will take place on **September 14, 2022 (Wednesday)**. An excursion plan will be prepared, including important places in science, culture and nature. A traditional meal will be served during the lunch break. Participants are requested to wear comfortable clothes and shoes. Sun-sensitive participants should wear sunscreen and hats.

Excursion



Ephesus

SOCIAL EVENTS

- **Ice Breaker Reception:** 11 Sep 2022, Sunday 17:00-20:00 at Grand Ontur Hotel Çeşme
- **Workshop Dinner:** 17 Sep 2022, Saturday, 19:00 at Grand Ontur Hotel Çeşme

CONTACT



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