

EMIW2020

XXV ELECTROMAGNETIC INDUCTION WORKSHOP

13 - 19 September 2020

Palm Wings Ephesus Hotel & Resort
Kuşadası-Turkey



emiw2020.emiw.org

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On behalf of the Local Organization Committee, it is both my pleasure and honor to invite you to the **25th international Electromagnetic Induction Workshops (EMIW2020)**, the major event of EM geophysics community and IAGA Division VI. The 25th Workshop will be held on **13-19, September 2020** in Kuşadası by institutions and companies from Turkey, represented by a local organizing committee (LOC). The University of Ankara has responsibility for the coordination of the workshop arrangements. This is the second one organized in Turkey after 40 years, the 5th Workshop was held in 1980 and organized by Istanbul University.

The EM Workshop at Kuşadası will certainly be an exciting opportunity for scientists, researchers, students and representatives of the many sectors of industry and public institutions to share and discuss latest developments on EM methodology and technology.

The workshop location Kuşadası is a Mediterranean resort town on Aegean seaside. The name comes from bird island, as the island has the shape of a bird's head as seen from the sea. The workshop venue is located on Aegean Sea coast with a beach length of 500 m and it is in close vicinity of some important locations for scientists and particularly the EM community.

In the ancient times, the region was named as Ionia and contributed the world history in a variety of ways. It was the important gate point for the migration of first farmers to Europe starting from 9000 BC during Neolithic revolution. The biggest and most populated Hellenistic and Roman cities in the world was founded in the Ionia. The nearest ancient city to workshop venue is Ephesus (8 kms). The city was an important center for rising of Christianity. St. Paul lived in Ephesus from AD 52 to 54 and was working with the congregation and organizing missionary activity into the hinterlands. The Basilica of St. John was built in the 6th century AD, under emperor Justinian I. The Miletus ancient city (50 kms) is the home of Thales, Anaximander and Anaximenes which are the most famous Miletus natural scholars of classical times. In 582 BC, Thales predicted the solar eclipse and produced new theories in astronomy and geometry. Anaximander and Anaximenes has formulated the first scientific rule as "sufficient reason for a natural phenomenon exists in nature". But, they assumed that it is possible to reach the objective reality by only cognition without doing experiment. The word "magnet" is originated from the ancient city of Magnesia (128 kms). The first standard coin (the invention of money) was released in Sardis (145 kms) about 650 BC. The ancient city Aphrodisias (151 kms) was famous for its sculpture school and in progress between the years 1 BC and 6 AC.

There will be two excursions. The first one includes the ancient cities of Ephesus and Aphrodisias. The second covers the ancient Hierapolis and Pamukkale travertines. The route of both excursions follow 'Menderes Graben' where Menderes River flows in a series of curves and bends. The term 'meander' derives from the Menderes River. One of the Earth's largest metamorphic core complexes and its detachment fault can be observed in the graben. Some archeological, cultural and geological information will be provided in the workshop guide. The other interesting locations in Selçuk (8 kms) such as Artemis Temple, St. John Basilica, House of the Virgin Mary, Ephesus Museum may be visited by the participants.

Finally, I would like to inform that the theme of the workshop is chosen to be "virtue" which is personified with the statue of ancient Goddess Arete found at the Celsus Library, Ephesus. Arete is accompanied by three more statues at the niches of the Celsus Library: Sophia, Episteme and Ennoia symbolizing wisdom, knowledge and intelligence, respectively. These are the values that light the way of scientists.

Hope to see you in Kuşadası, in September 2020.

Prof. Dr. Ahmet T. Başokur 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)
İlyas Çağlar (Istanbul Technical 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: emiw2020@yerelektrik.org

IMPORTANT DATES

Registration/abstractsubmission/financial support application opens	17 February, 2020
Deadline for Financial Support Application	12 April 2020
Deadline for Abstract Submission	19 June 2020
Deadline for Early Bird Registration	12 April 2020
Deadline for Normal Registration	23 August 2020
Deadline for Online Hotel Reservation	15 June 2020

KEYNOTE REVIEWS

Bülent Tank	Lithospheric EM studies in Western Asia and Southeastern Europe
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 17 February 2020. Please follow the instructions for submission given on page <https://emiw2020.emiw.org/abstracts/>

Submission Topics

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- 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 12 April 2020	Normal till 23 August 2020	On-site After 24 August 2020
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, 13 Sep)
- Coffee-breaks
- All day excursion (Wed, 16 Sep)
- Workshop bag (and contents), name badge
- Workshop t-shirt and hat
- Workshop Gala Dinner (Sat 19 Sep evening).

VENUE



The workshop will take place in the halls of Palm Wings Ephesus Hotel & Resort that is located on the seafront with 500 m long blue-flagged sand beach. The Hotel also provides all-inclusive accommodation options to participants of workshop with lower rates and free shuttle services from/to airport at the beginning and end of the workshop. Having accommodation and technical sessions in the same venue will give the participants the opportunity to discuss and share ideas in a relaxed atmosphere. Please follow the instructions on page: <https://emiw2020.emiw.org/venue/accommodation/> for reservation.

EXCURSION

The traditional excursion of the EM Workshop will be on 16 September 2020 (Wednesday). There will be a trip plan covering important places in terms of science, culture and nature close to the workshop venue. A lunch break will be given where traditional food is served. Participants are requested to wear comfortable clothes and shoes. Sun-sensitive participants should wear sunscreen and hats. Participants will be asked to select one of alternative excursion routes.

Excursion option 1

*Ancient
Cities*



Ephesus

Aphrodisias

Excursion option 2

*Ancient
Cities*



Ancient city of Hierapolis

Pamukkale Travertines

SOCIAL EVENTS

Ice Breaker Reception	13 Sep 2020, Sunday 17:00-20:00 at Palm Wings Ephesus Resort & Hotel
Women's Networking Event (WNE)	14 Sep 2020, Monday, 20:00 Değirmen Restaurant, Kuşadası.
Workshop Dinner	19 Sep 2020, Sunday, 19:00 at Palm Wings Ephesus Resort & Hotel

CONTACT

DEKON
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