

# ASIAN SEISMOLOGICAL COMMISSION 15<sup>th</sup> GENERAL ASSEMBLY

3-7 NOVEMBER 2024  
BELEK, ANTALYA, TÜRKİYE



International Association of Seismology  
and Physics of the Earth's Interior

# WELCOME MESSAGE

Dear Colleagues,

As the Local Organizing Committee, we are honored to extend an invitation to you for the 15<sup>th</sup> General Assembly (GA) of the Asian Seismological Commission, which will take place in Antalya, Türkiye, from November 3<sup>rd</sup> to 7<sup>th</sup>, 2024. Our primary goal is to bring together esteemed scientists who have made significant contributions to seismology and earthquake-related studies, aiming to conduct a successful congress.

The doublet earthquakes in Kahramanmaraş (Türkiye) that occurred on February 6, 2023, resulted in extensive loss of life and property across a wide geographical area. Therefore hosting of the 15<sup>th</sup> GA of ASC in Türkiye, where such destructive earthquakes have occurred, has great importance. The congress will provide a platform to share scientifically, and technically significant studies related to recent destructive earthquakes worldwide, including the Kahramanmaraş earthquakes. Topics such as seismic hazard and risk, tectonics, geodynamics, volcano seismology, remote sensing, imaging of shallow and deep structures, induced seismology, advanced earthquake monitoring techniques and seismic networks, and artificial intelligence applications in seismology will be addressed.

The 2024 ASC General Assembly will be held in Belek, Antalya, Türkiye, a place where civilizations have thrived throughout history, and where the meeting point of green and blue creates a unique setting. We take pride in welcoming you to Antalya, the foremost tourism paradise in Asia and Europe, to discuss the latest developments in seismology and earth sciences.

Best Regards,



**Prof. Dr. Bülent Kaypak**  
Chairman of the Local Organizing Committee  
Asian Seismological Commission



**Dr. Ruben Tatevossian**  
President  
Asian Seismological Commission

Dear Esteemed Colleagues and Participants,

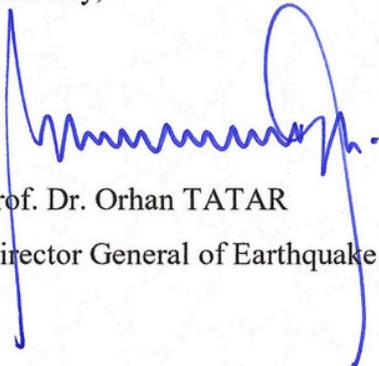
It is with great importance that we draw your attention to the 15<sup>th</sup> General Assembly Meeting of the Asian Seismological Commission (ASC), scheduled to take place from November 3-7, 2024, in Belek, Antalya. This meeting acts as a pivotal platform for fostering international collaboration and knowledge sharing in disaster management and seismology. It presents a valuable opportunity to strengthen seismological research and risk reduction strategies both regionally and globally.

At Disaster and Emergency Management Authority (AFAD), we believe this meeting will play a critical role in disseminating scientific and technical advancements, as well as establishing new collaborations in the fields of seismology and earth sciences. Therefore, we cordially invite you, esteemed experts and interested participants, to join this significant conference and share your expertise on this platform. Your participation will not only contribute to academic and technical fields but also support our efforts in reducing disaster risks at regional and global levels.

We firmly believe that your participation in this esteemed event will significantly enhance the scientific discourse and bolster our shared efforts towards mitigating disaster risks.

We eagerly look forward to meeting you at this important gathering in Antalya, Türkiye.

Sincerely,



Prof. Dr. Orhan TATAR

Director General of Earthquake and Risk Reduction, AFAD

# GENERAL INFORMATION

## Important Dates

Opening Abstract Submission and Registration	February 1, 2024
Deadline for Abstract Submission	July 30, 2024
Final Decisions for Abstracts Acceptance	August 30, 2024
Deadline for Early Bird Registration	September 30, 2024

## GENERAL ASSEMBLY OVERVIEW

Sunday 03.11.2024	Registration
Monday 04.11.2024	Registration, Opening Speeches, Technical Programme
Tuesday 05.11.2024	Technical Programme
Wednesday 06.11.2024	Technical Programme
Thursday 07.11.2024	Technical Programme, Closing Ceremony



## FACTS

Dates	3-7 November 2024
Venue	Xanadu Resort Convention Center
Location	Belek, Antalya
Official Language	English
Exhibition Area	400 sqm
Expected Exhibitors	25+
Expected Attendees	300+



# THEMES & TOPICS

- S01.** Recent Global Catastrophic Events: Insights from the 2023 Southeastern Türkiye Earthquakes
- S02.** Artificial Intelligence in Seismological Research: From Data Analysis to Prediction
- S03.** Seismic Hazard Assessment: Ground Motion, Risk, and Methodologies
- S04.** Earth's Dynamic Forces: Tectonics, Geodynamics, and Volcano Seismology
- S05.** Remote Sensing Technologies: GPS, InSAR, and Applications in Earthquake Studies
- S06.** Imaging Shallow Structures: Geophysical Methods and Their Applications
- S07.** Unveiling Earth's Secrets: Investigation of Crustal and Deeper Earth Structures by using Seismology, Geophysics, Geochemistry and Geology
- S08.** Anthropogenic Earthquakes: Source Properties and Spatio-Temporal Variations
- S09.** Cutting-Edge Observations: Advanced Techniques and Instruments in Seismology
- S10.** Enhancing Public Understanding: Education, Outreach, and Communication
- S11.** Disaster Management in Earthquakes: Preparedness, Response, and Recovery
- S12.** Tsunami Warning and Mitigation Strategies: Lessons from Recent Events
- S13.** Earthquake Early Warning Systems: Advances and Implementation
- S14.** Scientific Expedition of Large Earthquakes for the Understanding of Seismogenic Mechanisms
- S15.** Neo-deterministic seismic hazard assessment (NDSHA): Progress and scientific debate
- S16.** Effects and Risks of Earthquakes on Energy Fields and Facilities: Preventions and Strategies
- S17.** General Seismology

# REGISTRATION & ACCOMMODATION FEES

## Registration Fees

	Early Registration I	Early Registration II	Early Registration III	On-Site Registration
	1 February - 15 April	16 April - 30 June	1 July - 30 September	1 October - November
Regular	190€	300€	350€	500€
Student	140€	150€	200€	300€

## Accommodation Fees

	Single Room Accommodation (4 nights)	Double Room Accommodation (4 Nights) (per-participant)	Triple Room Accommodation (4 Nights) (per-participant)
Delegate	480€	280€	240€
Accompanying Person		420€	360€

## THE FEE FOR ACCOMMODATION AND REGISTRATION INCLUDES:

- ✓ 4 night accommodation in all-inclusive hotel (all drinks and all meals from the buffet)
- ✓ Congress registration
- ✓ Coffee breaks

\*Please register for the congress at your earliest since we have limited places at the venue hotel. In the case your submitted abstract is not accepted by the technical committee, your registration fee will be fully refunded.

# COMMITTEES

## Local Organizing Committee

Name	Title	Institution
Bülent KAYPAK	LOC Chairman	Department of Geophysical Engineering, Ankara University
M. Emin CANDANSAYAR	Technical Chairman	Department of Geophysical Engineering, Ankara University
Begüm KOCA	LOC Secretary	Department of Geophysical Engineering, Ankara University
Meitem TÜRKOĞLU	Member	Disaster and Emergency Management Authority (AFAD)
Doruk ŞENTÜRK	Member	Disaster and Emergency Management Authority (AFAD)
Selda ALTUNCU POYRAZ	Member	Boğaziçi University Kandilli Observatory and Earthquake Research Institute
Burcu GÜVENLİ	Member	Department of Geophysical Engineering, Ankara University
H. Cem YENİDOĞAN	Member	Department of Civil Engineering, Yıldız Technical University

## ASC Organizing Committee

Name	Title	Institution
Ruben TATEVOSSIAN	President	Russian Academy of Sciences, Russia
Okubo MAKOTO	1st Vice President	Kochi University, Japan
Sandeep KUMAR GUPTA	2nd Vice President	National Geophysical Research Institute, India
Li LI	Secretary General	Institute of Geophysics, China Earthquake Administration, China
Tian BAOQING	Congress Secretary	Institute of Geophysics, China Earthquake Administration, China
Hesham Hussein MOUSA	Member	National Research Institute of Astronomy and Geophysics, Egypt
Paramesh BANERJEE	Member	Nanyang Technological University, Singapore
Toshiaki YOKOI	Member	Tokyo City University, Japan
Anna BEREZINA	Member	Institute of Seismology, National Academy of Sciences, Kyrgyz Republic
Sarantsetseg LKHAGVASUREN	Member	Institute of Astronomy and Geophysics of Mongolian Academy of Sciences, Mongolia
Dimas S. J. SIANIPAR	Member	Geophysics, STMGK, BMKG, Indonesia

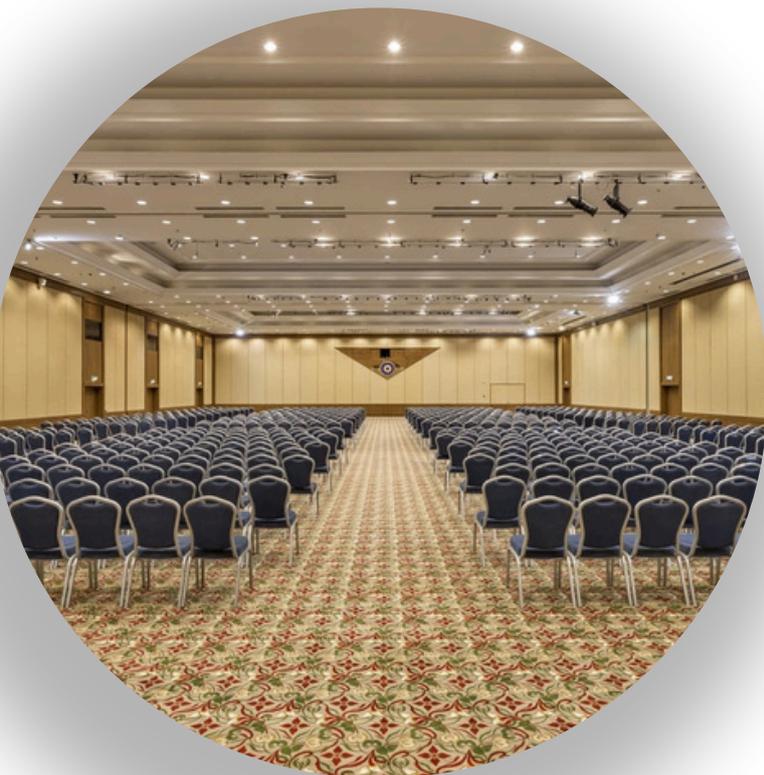
## Conveners & Scientific Committee

Kanatbek ABDRAKHMATOV (Kyrgyz Republic)	Jnana Ranjan KAYAL (India)	Johannes SCHWEITZER (Norway)
Didem ACAREL (Türkiye)	Bülent KAYPAK (Türkiye)	Orhan TATAR (Türkiye)
Aybige AKINCI (Italy)	Begüm KOCA (Türkiye)	Ruben TATEVOSSIAN (Russia)
Bahadır AKTUĞ (Türkiye)	Mustafa KOÇKAR (Türkiye)	Onur TAN (Türkiye)
Ayşegül ASKAN (Türkiye)	Sadi KULELİ (Türkiye)	Süleyman TUNÇ (Türkiye)
Paramesh BANERJEE (Singapore)	Li LI (China)	Burcu TURHAN (Türkiye)
Şerif BARIŞ (Türkiye)	Ying LI (China)	Muammer TÜN (Türkiye)
Anna BEREZINA (Kyrgyz Republic)	Sarantsetseg LKHAGVASUREN (Mongolia)	İbrahim TIRYAKIOĞLU (Türkiye)
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M. Didem SAMUT CAMBAZ (Türkiye)	Guojie MENG (China)	Guoxin WANG (China)
M. Emin CANDANSAYAR (Türkiye)	Nilgün OKAY (Türkiye)	Xu WEIWEI (China)
Andrea CHIANG (USA)	Tuna ONUR (Canada)	Song XIAODONG (China)
Simona Colombelli (Italy)	Haluk ÖZENER (Türkiye)	Zhang XIAODONG (China)
Mohamed ELGABRY (Egypt)	Nurcan Meral ÖZEL (Türkiye)	Hakan YAVAŞOĞLU (Türkiye)
Ryuta ENOKIDA (Japan)	Oya PAMUKÇU (Türkiye)	Ahmet Cevdet YALÇINER (Türkiye)
Altuğ ERBERİK (Türkiye)	Antonella PERESAN (Italy)	H. Cem YENİDOĞAN (Türkiye)
Lihua FANG (China)	Rajesh REKAPALLI (India)	Galip YÜCE (Türkiye)
Yuan GAO (China)	Fabio ROMANELLI (Italy)	Mehdi ZARE (Iran)
Xie JUNJU (China)	Dimas S. J. SIANIPAR (Indonesia)	Jie ZHANG (China)
Sandeep KUMAR GUPTA (India)	Gürol SEYİTOĞLU (Türkiye)	Yan ZHANG (China)
Miktad KADIOĞLU (Türkiye)	Daya SHANKER (India)	Cuiping ZHAO (China)
SanLinn I. KAKA (Saudi Arabia)	Rajib SHAW (Japan)	
Özgür KARAOĞLU (Türkiye)	Inna SOLOKOVA (Russia)	
Hakan KARSLI (Türkiye)	Ceren Özer SÖZDİNLER (Türkiye)	

# VENUE



The 15<sup>th</sup> General Assembly of Asians Seismological Commission will be held at the Xanadu Resort Hotel Belek, which has been awarded “2011 Thomas Cook Award for Excellence” and “2015 TUI Mystery Check”. Ideally located in the Belek Tourism Center at the Mediterranean Coast, this five-star Hotel offers a “High Class - All Inclusive” resort experience for the holiday of a lifetime. Be carried back to the times of the ancient Romans, among the pillared walkways, ancient-style pools and amphitheater which is the center of the Entertainment activities. The Resort offers MICE facilities on 2.500sqm and creates a brand new center of attraction with its new Kids World on 5.500sqm for 1 to 16 years old kids, babies and teens



The Xanadu Resort Hotel features the Kubla Khan conference hall which at 1125 m<sup>2</sup>, makes it one of the largest conference facilities in Belek region. The Ballroom is an ideal venue for large gatherings, having the advantages of a high ceiling and column-free space along with a 700 m<sup>2</sup> foyer. Groups of up to 1500 meet comfortably in the main conference hall.

# ABOUT ANTALYA



Antalya, the Turkish Riviera is the most stunning part of Türkiye's Mediterranean coast, a thriving modern city, with a historic heart in the centre of Kaleiçi within the old city walls. This area has seen something of a renaissance in recent years, with many of the wooden Ottoman mansions being restored and turned into boutique hotels. No cars are allowed in the narrow streets of the old town so it is a good place to soak up the atmosphere around the charming harbour. The symbol of Antalya is the fluted minaret or Yivli Minare built by the Seljuks in the 13th century. There are plenty of interesting pieces in the Archaeological Museum, from the Palaeolithic Age right through to Ottoman times. Antalya has a backdrop of stunning mountain scenery, and the city is set high on cliffs, with many of its grandest hotels overlooking the sea on the outskirts of the town. The beach area of Lara, approximately 12 km to the east, is home to the best beach in the area, known for its golden sand, which is rapidly becoming a resort in its own right. To the west, the long pebble beach of Konyaaltı is also popular. Heading up into the mountains, you can make the most of the beautiful scenery by visiting the spectacular Düden or Kurşunlu waterfall. At Saklıkent, just 50 km away from the city centre, you can even ski, where they usually have snow on the slopes until early April.

# THE MOST POPULAR MUSEUMS AND HISTORIC SITES OF Antalya Region

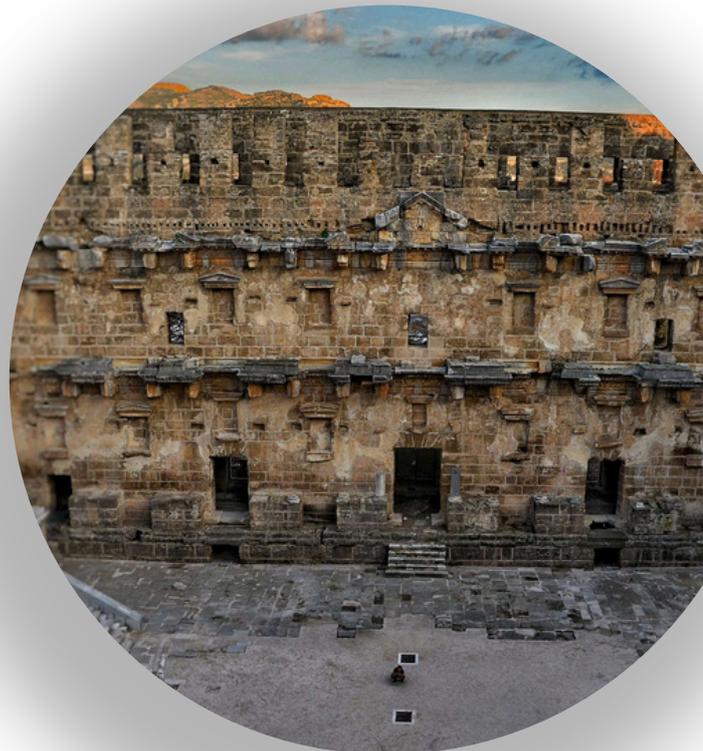


## The Museum of Antalya:

Founded in 1922 by Süleyman Fikri Erten and housed first in the Alaaddin Mosque in the old city and then in the Yivli Minaret, the museum was later moved to its current location. This museum which started in its new building in 1972 is considered one of the most important museums in Turkey for its contents, works from Hellenistic, Roman, Byzantine and Turkish periods. The museum consists of 12 display halls, gardens and open galleries. In these halls, the history of Antalya is given in a chronological and instructive fashion starting with the first humans and continuing without interruption to the modern era. There is also a new section called 'Children's Museum' which intends to interest children in museums. It also serves as a nursery for the children so that the parents can enjoy their visits to the museum.

## Aspendos:

Just 50 km east of Antalya, Aspendos was an important centre of trade during Roman times. Today, the most impressive aspect of Aspendos is her stunning theatre, which was built in approx. 162 AD. It seats 15,000 and has been beautifully preserved. Each year it hosts the Aspendos Opera and Ballet Festival which takes place in June and July and gives you the opportunity to see performances of classics in a magnificent setting. The aqueduct, which supplied water to the city is also still relatively intact and is an impressive sight.



# THE MOST POPULAR MUSEUMS AND HISTORIC SITES OF **Antalya Region**



## **Phaselis:**

The three harbours of this Lycian port city were once a major commercial centre. In the shelter of Mount Tahtali, it is a popular stopping off point for yachts, and its clear waters and sandy beaches are popular with sun-seekers. The remains are mostly Roman and include a theatre, baths, aqueducts, Hadrian's Gate, an agora and an acropolis.

## **Perge:**

Just 18 kms from Antalya, Perge was an important city in Pamphylia and was visited by St. Paul during his missionary journeys. Today, the city gate flanked by lofty towers, the theatre and baths are of interest.



# Supporters

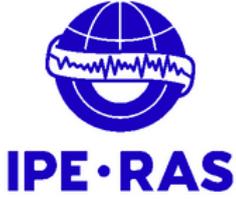
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## Main Supporters



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