



CLEAN TECH

Hydrogen and PV Breakthroughs

13-16 November, 2025

FLYER



Xanadu Resort Hotel



cleantechcongress.org
info@cleantechcongress.org

WELCOME LETTER

Dear Colleagues,

On behalf of the Organizing Committee, it is my great pleasure to invite you to CleanTech2025: Hydrogen and PV Breakthroughs, which will take place from November 13th to 16th, 2025, at the Antalya Xanadu Resort Hotel. Known for its stunning coastline and vibrant cultural heritage, Antalya provides the perfect backdrop for exploring the latest innovations in clean energy while enjoying the city's renowned hospitality.

As the first event in this biennial series, CleanTech2025 will bring together leading researchers, industry experts, and academics to discuss the most recent breakthroughs in hydrogen energy and photovoltaic technologies. Our goal is to foster global collaboration, share new insights, and create impactful partnerships that will advance the future of sustainable energy on both national and global scales.

We invite you to join us in Antalya for an inspiring week filled with thought-provoking presentations, interactive discussions, and unparalleled networking opportunities. This event marks the beginning of a biennial series dedicated to driving innovation and shaping a sustainable future.

Thank you for your dedication, and we look forward to welcoming you to CleanTech2025.

Sincerely,

Serap Güneş

Chairperson, CleanTech2025

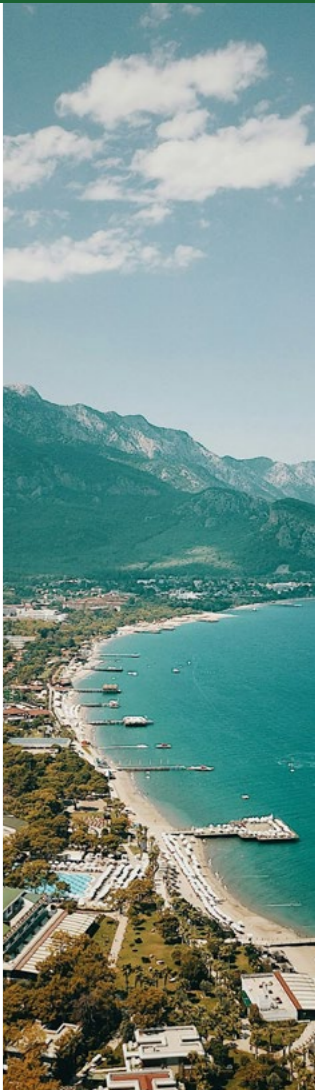


KEY INSIGHTS

Date	13 – 16 November 2025	Official Language	English
Venue	Xanadu Resort Hotel	Expected Participants	200+
Location	Antalya		

IMPORTANT DATES

	CONGRESS DATES	November 13–16 2025
SUBMISSION DATES	Abstract Submission Starts	March 10, 2025
	Abstract Submission Deadline	September 1, 2025
REGISTRATION DATES	Early–Bird Registration Opens	March 1, 2025
	Late Registration Opens	After September 1, 2025
NOTICE DATES	Notification of the Authors	October 1, 2025
	Tentative Program Announcement	October 8, 2025



PROGRAMME OVERVIEW

Date	Time	Activity
Thursday, 13 Nov 2025	11:00 – 18:00	Registration
	18:00 – 19:30	Icebreaker Event
Friday, 14 Nov 2025	09:00 – 12:30	Technical Programme & Exhibition
	12:30 – 14:00	Lunch
	14:00 – 17:30	Technical Programme & Exhibition
Saturday, 15 Nov 2025	09:00 – 12:30	Technical Programme & Exhibition
	12:30 – 14:00	Lunch
	14:00 – 17:30	Technical Programme & Exhibition
	10:00–17:30	Social Excursion for Family Members
	19:30–23:00	Gala Event
Sunday, 16 Nov 2025	09:00 – 12:00	Closing Ceremony and Checkout

COMMITTEES

Organizing Committee

Name SURNAME	Institution
Prof. Dr. Serap GUNES – Congress Chair	Yildiz Technical University
Prof. Dr. Aysel KANTURK FIGEN – Congress Co-chair	Yildiz Technical University
Assoc. Prof. Nadir JAVANI – Technical Chair	Yildiz Technical University
Prof. Dr. Nimet YILMAZ CANLI	Yildiz Technical University
Assoc. Prof. Fatma Pinar CHOI	Yildiz Technical University
Assoc. Dr. Macide CANTURK RODOP	Yildiz Technical University
Dr. Hamed Moeini ALISHAH	Yildiz Technical University
Prof. Dr. Mahmut KUS	Konya Technical University
Prof. Dr. Ceylan ZAFER	Ege University Solar Energy Institute
Prof. Dr. Fatih ONGUL	Ardahan University
Dr. Betul ERDOR TURK	Tubitak MAM
Dr. Emre DEMIREZEN	TENMAK (Turkish Energy, Nuclear and Mineral Research Agency)
Ali KELES	YEO Technology and Industry
Cihangir KAHVECİ	Yildiz Technical University
Tugba DEMIRBAY	Yildiz Technical University
Dr.Emre KINAV	FORD Otosan
Meric CALISKAN ARSLAN	Kalyon PV
Assoc. Prof. Bilge COSKUNER FILIZ	Yildiz Technical University
Assist. Prof. Fatih SORGULU	Yildiz Technical University
Dr. Harald HOPPE	Friedrich Schiller University Jena

Scientific Committee

Name SURNAME	Institution
Prof. Dr. Wei-Hsin CHEN	Taiwan
Dr. Harald HOPPE	Friedrich Schiller University Jena
Dr. Serpil TEKOGU	Johannes Kepler University Linz
Dr. Derya BARAN	KAUST
Dr. Shiju N. RAVEENDRAN	University of Amsterdam
Assoc. Prof. Dogan ERDEMIR	Yildiz Technical University
Assist. Prof. M. Iberia AYDIN	Yildiz Technical University

REGISTRATION AND ACCOMMODATION

Registration Fees	Early-Bird Registration Fees (1 September)	Late Registration Fees (2 September – 1 November)	On-Site Registration Fees (After 1 November)
Regular	200 €	300 €	400 €
Student	150 €	150 €	250 €

Accommodation	Single Room (3 days)	Double Room Per Person (3 days)
Delegate	540 €	360 €
Accompanying Person	420 €	

**All the above fees include local VAT.

Registration and Accommodation fees include;

- 3-night accommodation in an all-inclusive hotel (meals, drinks, coffee breaks, lunch breaks, dinner)
- Full access to conference halls (technical sessions, exhibitions)
- Delegate materials
- Certificate of attendance
- Icebreaker
- Shuttle transfers from/to the airport on 13 Nov & 16 Nov

Please Note:

- Registration fees must be paid before the deadline to qualify for the listed rates.
- **Student registration fee is for early-career researchers under 35**, including graduate students, PhD students, and postdoctoral researchers.
- **Accompanying Person fee includes:**
 - Icebreaker event
 - Excursion

TOPICS

Hydrogen Energy Topics	
1.	Advances in Hydrogen Production Technologies: Electrolysis, Photocatalysis, and Thermochemical Methods
2.	Green Hydrogen from Renewable Energy Sources
3.	Hydrogen Storage Solutions: Materials and Infrastructure Innovations
4.	Fuel Cell Technologies and Applications
5.	Hydrogen Economy: Policies, Market Dynamics, and Global Trends
6.	Hydrogen Safety and Standardization
7.	Hydrogen in Transportation: Challenges and Opportunities
8.	Decentralized Hydrogen Generation for Off-Grid Applications
9.	Power-to-X Technology in the Hydrogen Economy
Photovoltaics	
1.	Innovative Tandem Solar Cells: Materials and Structures
2.	Integration of Perovskite Solar Cells with Other Energy Technologies
3.	Building-Integrated Photovoltaics (BIPV) for Smart Cities
4.	Recycling and Sustainability in PV Technologies
5.	Hybrid Photovoltaics: Combining Solar Cells with Other Energy Systems
6.	Emerging Photovoltaic Technologies: Beyond Silicon
7.	Durability and Stability of PV Materials in Harsh Environments
Integration of Hydrogen and Photovoltaics	
1.	Photovoltaics for Hydrogen Production (Hybrid Systems)
2.	Techno-Economic Analysis of Integrated PV-Hydrogen Systems
3.	Challenges in Scaling Up PV-Powered Electrolysis
4.	Grid Stability and Energy Storage Solutions Using PV and Hydrogen
5.	Real-World Applications of PV-Hydrogen Integration (Case Studies)
Panel Discussions	
1.	What Happens When Sunshine Meets Hydrogen? Sparks or Synergy?
2.	Can Hydrogen and Solar Be Besties or Just Awkward Roommates?
3.	Hydrogen Wants Solar Energy: Is This a Power Grab or True Partnership?
4.	Photovoltaics and Hydrogen: Partners in Crime or Frenemies?

VENUE



CleanTech 2025 will be held at the Xanadu Resort Hotel in Belek.

Located in the Belek Tourism Center in Antalya, the hotel offers a High-Class All-Inclusive experience, combining comfort and luxury. Overlooking the endless blue of the Mediterranean, Xanadu Resort is surrounded by historical and tourist attractions, providing a perfect setting for both leisure and business events.

With its mystical architecture, pillar-framed paths, and antique-style pool, Xanadu Resort Hotel offers a unique and elegant setting. The 2,500 m² congress and conference center is designed to provide a comfortable and efficient space for any type of event. Participants can also enjoy the hotel's green gardens, quality dining options, and various activities for a pleasant and memorable stay.

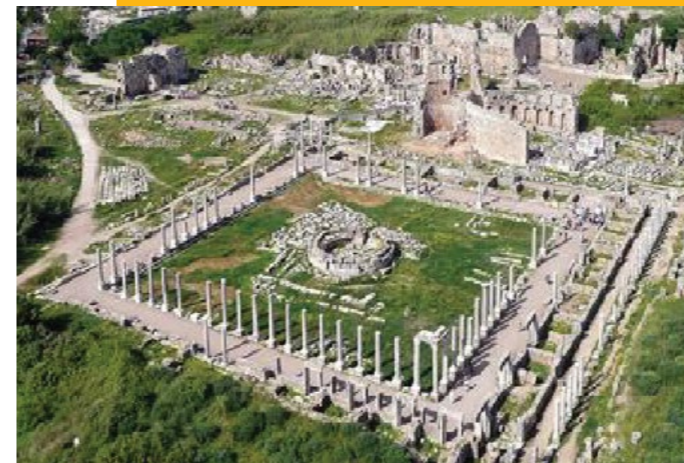
Easily accessible, Xanadu Resort Hotel is just 38 minutes from Antalya Airport, 11 minutes from Belek City Center, and 25 minutes from the iconic Aspendos Theater, offering participants the opportunity to explore the region's rich history and cultural heritage while enjoying a seamless congress experience.

ABOUT ANTALYA

Antalya, located on the stunning Mediterranean coast of Türkiye, is a vibrant city known as the "Turkish Riviera." It is celebrated for its beautiful beaches, crystal-clear waters, and a perfect blend of historical charm and modern attractions. The city welcomes millions of visitors annually with its warm climate, lively atmosphere, and unique cultural heritage.

It is typical of Türkiye, a thriving modern city, with a historic heart in the center 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.

DISCOVER ANTALYA



Perge Ancient City

Perge is one of the most popular historical sites in the Antalya region, known for its ancient Greek and Roman ruins dating back to 1300 BC. The site includes a grand amphitheater that once held 15,000 spectators and is located near the city center. Perge was an important city during the Roman and Hittite periods, flourishing in the 2nd and 3rd centuries AD. It was famous for its architecture and sculpture, and many artifacts from Perge are displayed at the Antalya Museum.



Aspendos Theater

Just 50 km east of Antalya, Aspendos was an important center 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.



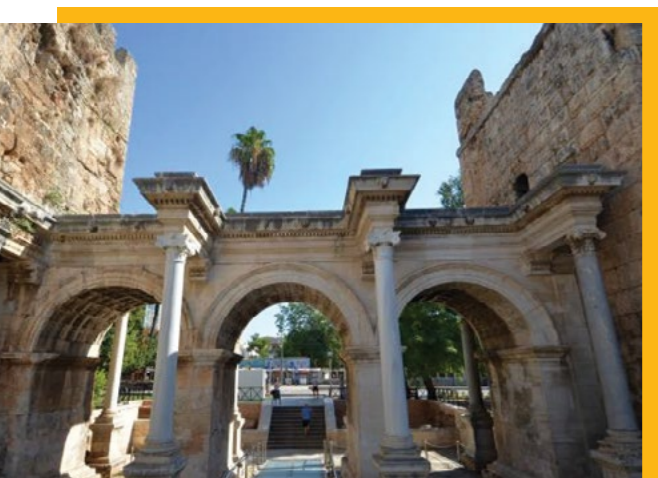
Kaleiçi (Old Town)

Step back in time as you wander through the charming streets of Kaleiçi, the historic heart of Antalya. This picturesque area is filled with Ottoman-era houses, boutique shops, and cozy cafés. The marina offers stunning sea views, and you'll find landmarks like the Clock Tower and the Yivli Minaret, an iconic symbol of the city.



The Museum of Antalya

Founded in 1922 by Süleyman Fikri Erten, the Antalya Museum was initially housed in the Alaaddin Mosque and later the Yivli Minaret before moving to its current location in 1972. The museum is one of Turkey's most important, showcasing artifacts from the Hellenistic, Roman, Byzantine, and Turkish periods. It consists of 12 display halls, gardens, and open galleries, presenting the history of Antalya from prehistoric times to the modern era. The museum also features a "Children's Museum" designed to engage kids and provide a nursery for them while parents explore the exhibits.



Hadrian's Gate

Built in 130 AD to honor Emperor Hadrian's visit, this grand Roman archway is the best-preserved ancient structure in Antalya. Its marble columns and intricate carvings make it a striking entrance to the historic Kaleiçi.





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 **Xanadu Resort Hotel**