

alus'12

18-20 September 2025
Istanbul Expo Center

12th International Aluminium Symposium

SYMPOSIUM CLOSING REPORT

TALSAD
TURKISH ALUMINIUM INDUSTRIALISTS ASSOCIATION

**TUBITAK
MAM**

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TÜRKİYE METALLURJİK VE MALZEME
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ALUMINIUM INTERNATIONAL TODAY

AI IRCLE

ALUS'12, EURASIA'S MOST IMPORTANT SECTORAL AND SCIENTIFIC EVENT, BROKE RECORDS AGAIN

The 12th International Aluminium Symposium was held simultaneously with ALUEXPO 2025, the 9th International Aluminium Technologies, Machinery and Products Trade Fair, organized by Hannover-Messe Ankiros Fair, at Yeşilköy-Istanbul Fair Center from September 18-20, 2025, in collaboration with TALSAD, the Turkish Aluminium Industrialists Association, TÜBİTAK Marmara Research Center, and METEM-UCTEA Chamber of Metallurgical and Materials Engineers's Training Center.

The International Aluminium Symposium's mission is to bring together the aluminium industry in all its dimensions and the academic world on the same platform, to share scientific and technological developments that will shape the industry in an international environment, and to create a vision for Türkiye's place and future in the aluminium world and, it has succeeded in achieving its goals this year.



THE SOURCE OF THE SYMPOSIUM'S SUCCESS: A STRONG AND ROOTED HISTORY

The first Aluminium Symposium was organized in 1994 jointly by the Turkish Aluminium Industrialists Association, Eti Aluminium and the Chamber of Metallurgical Engineers at the Seydişehir Eti Aluminium Plant. The second symposium was held in collaboration with the same associations again at Seydişehir. After the privatization of Eti Aluminium, Aluminium Symposiums have been organized in Istanbul by the Turkish Aluminium Industrialists Association, TÜBİTAK Marmara Research Center and METEM-UCTEA Chamber of Metallurgical and Materials Engineers's Training Center.

In 2009, Hannover Messe Ankiros Fair Inc., the organizer of the ALUEXPO International Aluminium Technologies, Machinery and Products Trade Fair, joined the partnership and the symposium was organized concurrently with the fair. As of 2019, the symposium has switched to an international format, and it has become an important platform where scientific and technological developments are presented and global trends in aluminium are shared.

Following this partnership, the symposium continued with full success with growing international participation. The symposium, keynote speakers, the presentations and publications are important part of this regional leading event of the Aluminium industry.



THE CREATIVE FACE OF ALUMINUM ATTRACTED GREAT ATTENTION FROM GUESTS WITH ITS ALUSART EXHIBITION

ALUSart met with its guests at the ALUEXPO Fair as an international exhibition that unveils the artistic side and creative potential of aluminium.

Curated by TALSAD with the support of ALUS'12 Sponsors, the exhibition highlighted that aluminium is not only an industrial material, but also an aesthetic, transformative, and inspiring tool for creation.

Artists, designers, and creative minds by reinterpreting this unique material into unexpected forms, invited viewers to see beyond function and discover beauty, also to think, feel and gain new perspectives.



alus'12

12. Uluslararası Alüminyum Sempozyumu
12th International Aluminium Symposium

18-20 Eylül / September
2025 ifm
Istanbul
Expo Center

www.alusist.com

ALUS'12 BY NUMBERS

International Science Committee from

5

Different Countries

127

Paper Submissions

from **13**

Different Countries

www.alusist.com

89

Paper Publications

12

Sessions, **44** Oral Presentations,

53

Poster Presentations

2

Opening Sessions with Guest Speakers
from Respected International Institutions

ALUSart

Art Exhibition
Organized with the Contributions
of the Symposium Sponsors

7

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INVITED SPEAKERS



Paul VOSS
European Aluminium



Elif Berrak TAŞYÜREK
T.C. Ticaret Bakanlığı



Gabriel Carmona APARICIO
ASI



Ceren Pınar GAYRETLİ
WWF Türkiye



Alexey PAVLOV
CRU



Selahattin Armağan VURDU
İMMİB



Serkan SOYUER
SKD Türkiye

PROGRAM AT A GLANCE

18 September 2025, Thursday

Asım Kibar Hall

- 10.00 - 11.00** Opening Statements
- 11.00 - 12.30** Plaque Ceremony
- 13.30 - 14.50** Opening Session
- 15.10 - 16.30** Opening Session

19 September 2025, Friday

Asım Kibar Hall

- 10.00 - 10.40** SESSION-1: Global Aluminium Industry, International Trade and Market Trends
- 11.00 - 12.40** SESSION-3: Sustainability, Green Deal and Recycling
- 13.30 - 14.50** SESSION-5: New Technology Applications in Aluminium
- 15.10 - 16.30** SESSION-7: Heat Treatment and Performans Enhancement - 1
- 16.50 - 17.50** SESSION-9: Heat Treatment and Performans Enhancement - 2

HALL 2

- 10.00 - 11.00** SESSION-2: Aluminum New Product and Production Technologies / Alüminyum Yeni Ürün ve Üretim Teknolojileri
- 11.20 - 12.40** SESSION-4: Melting, Casting and Recycling Technologies - 1
- 13.30 - 14.50** SESSION-6: Melting, Casting and Recycling Technologies - 2
- 15.10 - 16.10** SESSION-8: Melting, Casting and Recycling Technologies - 3
- 16.30 - 17.50** SESSION-10: Casting Technologies

IMPRESSIONS FROM THE SYMPOSIUM



IMPRESSIONS FROM THE SYMPOSIUM

