



16th International Aluminium Conference
Aluminium at the Heart of a Sustainable Society
 Trondheim, Norway • 10–12 June 2026 • NTNU Campus

About the Conference

INALCO 2026 — the 16th International Aluminium Conference — provides a unique opportunity to bring together people from academia, industry, and the public sector for a three-day conference on aluminium research and innovation. The programme features six keynote lectures by leading international experts, 84 peer-reviewed oral presentations organised in eight parallel session blocks with three simultaneous tracks, poster sessions, an industrial exhibition, and social and networking events. The final day offers guided tours to NTNU and SINTEF research laboratories and the Hangar Bridge, connecting participants directly with the facilities where Norwegian aluminium research takes place.

The previous edition — INALCO 15th in Quebec City — attracted attendees from more than 30 countries representing all continents, with about 90 papers and expert presentations. We aim to continue and strengthen this international outreach and academic quality. The 2026 edition has already received contributions from over 45 organisations across approximately 20 countries, with a strong mix of universities, research institutes, and industrial companies. Presenters range from major aluminium producers and engineering consultancies to automotive component manufacturers and simulation software developers, ensuring that new research results reach the people who apply them.

The conference targets the following main tracks, reflecting the breadth of the modern aluminium R&D landscape: welding and joining; large structures; novel forming methods; manufacturing and re-manufacturing; recycling-friendly alloys and circularity; modelling and digital frameworks; innovative applications; surface and tribology; and alloy design and characterisation. Several of these tracks intersect around enabling technologies for advanced materials — particularly additive manufacturing, integrated computational materials engineering, advanced joining for multi-material design, and scrap-tolerant alloy development — areas where rapid progress is being made and where conference-based knowledge exchange between researchers and industrial users has the highest impact.



Norwegian University of
 Science and Technology



Knowledge and Technology for Next-Generation
 Aluminium Product Innovations

Confirmed Keynote Speakers

Keynote	Speaker	Affiliation	Keynote Topic
1	Daniel Cooper	University of Michigan	<i>Circular and climate-smart aluminium lightweight solutions</i>
2	Grethe Winther	Technical University of Denmark	<i>Deformation-induced microstructural evolution</i>
3	Livan Fratini	University of Palermo	<i>Solid-State Manufacturing: A pathway to sustainable metal processing</i>
4	Anders Nesse	Hydro Extruded Solutions	<i>Digital Manufacturing: Enabling lightweight, durable and circular solutions</i>
5	Benoit Cusson	WSP Canada	<i>Aluminium bridges: Innovative design for infrastructure lifecycle performance</i>
6	Irmgard Weißensteiner	Montanuniversität Leoben	<i>Towards Scrap-Tolerant Aluminium Sheet Materials</i>

Programme at a Glance

	Wed 10 June	Thu 11 June	Fri 12 June
Morning	Opening, Keynote 1, TS 1 (3 tracks)	TS 4 (3 tracks), Keynote 3, TS 5 (3 tracks)	Keynote 5, TS 8 (3 tracks), Keynote 6
Afternoon	TS 2 (3 tracks), Keynote 2, TS 3 (3 tracks)	TS 6 (3 tracks), Keynote 4, Awards, TS 7 (3 tracks)	Lab tours: NTNU & SINTEF / Hangar Bridge
Evening	Welcome cocktail, Nidaros Cathedral concert	Gala dinner	

Technical Programme

84 presentations in seven thematic tracks, 3–4 talks per 90-minute slot (22–30 min each):

Thematic Track	Papers	Session Slots
Welding and Joining	18	5
Structures & Novel Forming	12	3
Manufacturing & Re-manufacturing	13	4
Recycling-friendly Alloys & Circularity	10	3
Modelling and Digital Frameworks	11	3
Innovative Applications	9	3
Alloy Design & Characterization	11	3
Total	84	24

Enabling Technologies: Advanced Materials

The programme covers enabling technologies for advanced materials through four cross-cutting areas: **additive manufacturing** (wire-arc, friction stir deposition, powder bed fusion), **computational materials engineering** (surrogate models, crystal plasticity, ICME), **advanced joining** (dissimilar metals, novel brazing), and **scrap-tolerant alloy design** for circular aluminium. Industrial users (Hydro, Parsan, Streparava, Thermo-Calc, and others) present alongside universities from multiple countries.

Note: Programme is tentative. The conference starts Wednesday 10 June at 09:00 and ends Friday 12 June at 15:00.