

## ALUMINIUM 2018 Conference

### ALUMINIUM 2018

The conference will be held alongside ALUMINIUM 12th World Trade Fair in Düsseldorf. The trade fair unites producers, processors, technology suppliers and consumers along the entire value chain – i. e. from raw materials through to semi-finished and finished products. ALUMINIUM is the leading B2B platform in the world for the aluminium industry and its main applications.

### TOPICS

At the ALUMINIUM 2018 Conference with its motto 'Aluminium – Material for the Future', the various applications of aluminium currently used will be presented together with possible further developments that will make products in the future even lighter, better looking and more energy efficient.

Together with representatives from the different sections of the industry, manufacturers of semi-finished products and sub-suppliers, the latest innovative and future-looking solutions will be presented and discussed.

### SESSIONS

- **Session Aluminium Markets**  
Chair: Jürgen Hirsch | Aluminium Consulting - Königswinter Senior Consultant for Hydro Aluminium Rolled Products GmbH
- **Session Plants, Processes, Digitalization**  
Chair: Kai F. Karhausen | Head of Department Rolling Technology | Hydro Aluminium Rolled Products GmbH
- **Session Surface**  
Chair: Willem Beljaars | Chairman of the Board | GSB international
- **Session Recycling**  
Chair: Jörg H. Schäfer | Head of Recycling and Sustainability, Head of Metal Powder | GDA – Gesamtverband der Aluminiumindustrie e.V.
- **Session Automotive**  
Chair: Matthias Gotthelf | Technology Development Casting - Extrusions | Audi AG.  
  
Chair: Dietrich Wieser | Director Business Development Global Automotive | Arconic Global Rolled Products

[www.aluminium-conference.de](http://www.aluminium-conference.de)

## Registration details

### EVENT: ALUMINIUM 2018 CONFERENCE

**Topic:** 'Aluminium – Material for the Future'

**Date:** October 09 | 10, 2018; 09:30 am to 16:30 pm and October 11, 2018; 09:30 am to 12:30 pm

**Place:** Congress Center Ost, Messe Düsseldorf

**Participants:** Representatives of the different sections of the aluminium industry, manufacturers of semi-finished products and sub-suppliers.

**Language:** The congress language is English. For this year's Congress we will have simultaneous translation into English and German.

### REGISTER ONLINE

Registration for the ALUMINIUM 2018 Conference is online only. Please visit our website at:

[www.aluminium-conference.de/registration](http://www.aluminium-conference.de/registration) or  
[www.aluminium-messe.com/en/tickets](http://www.aluminium-messe.com/en/tickets)

### PRICING

The fee includes the admission to the booked sessions and the exhibition as well as the conference documents at the check-in.

Euro 330,00 per Session where applicable.

Fees for the registration of more than one session are as follows:

Euro 660.00 for 2 sessions  
Euro 990.00 for 3 sessions  
Euro 1,320.00 for 5 sessions

**Discounts:** There is an early-registration discount of 10 % for all registrations received by August 31<sup>st</sup>, 2018. There is also a 10 % discount for exhibitors of ALUMINIUM 2018 as well as GDA members.

**Discounts cannot be combined. All prices includes VAT.**

### CONTACT

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## Media Partners

**Aluminium** Praxis Zentrum für Beratung & Anwendung **ALUMINIUM** INTERNATIONAL JOURNAL



## Organiser



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**ALUMINIUM 2018**  
Conference

09 October – 11 October 2018  
Congress Center Ost | Düsseldorf

## Conference Program

Aluminium – Material  
for the Future

[www.aluminium-conference.de](http://www.aluminium-conference.de)

Aluminium Markets  
Plants, Processes, Digitalisation  
Surface  
Recycling  
Automotive



In conjunction with  
ALUMINIUM 2018



## 09 October 2018 | Conference Day 1

### SESSION ALUMINIUM MARKETS

- **09:30** Aluminium, an ideal material with a great future  
Jürgen Hirsch | Aluminium Consulting Königswinter, Germany
- **09:50** Aluminium Market Outlook: More surpluses or looming shortage?  
Guillaume Osouf | CRU Group, UK
- **10:10** The European Aluminium Industry | Andreas Postler  
Gesamtverband der Aluminiumindustrie e. V., Germany
- **10:30** Business Portfolio Strategies of Mining and Metal Groups in the Era of Globalization | Bruno Rüttimann, Switzerland
- **11:10** 2019 Aluminum Price Outlook: Mitigating Price Risk  
Stuart Burns | MetalMiner, USA
- **11:30** Digital Transformation of the Metals (Aluminium-) Industry  
Nils Naujok | PwC Strategy& GmbH, Germany
- **11:50** From Automating Knowledge to Doing the Impossible: Five Top Use Cases for Aluminium Industry to go Digital  
Stefan Koch | SAP SE, Germany
- **12:10** Aluminium in electric vehicles – the battle for every kilo  
Goran Djukanovic | Aluminium market analyst and industry consultant, Montenegro  
Status: June 2018. Subject to change without prior notice.

### SESSION PLANTS, PROCESSES, DIGITALISATION

- **13:30** Integrated Process Models as Part of Thermo processing Plants | Simon Künne | Otto Junker GmbH, Germany
- **13:50** Chatter management at Cold Rolling Mills today  
Matthias Krüger | SMS Group, Germany
- **14:10** Hydrogen measurements in EN-AW 6082 alloy  
Luisa Marzoli | TRIMET Aluminium SE, Germany
- **14:30** Quenching an integral part of the heat transfer process during the heat treatment of aluminium – a survey of methods and techniques | Dan Dragulin | ATC ALUVATION Technology Center Paderborn GmbH, Germany
- **15:10** Processing routes for new aluminium plate products with improved tooling performance | Werner Fragner | AMAG Austria Metall AG, Austria

- **15:30** Opportunities of numerical simulation in the design and optimization of extrusion processes | Alessandro Selvaggio  
ISPT GmbH & Co. KG, Germany
- **15:50** Selection of the right cooling conditions to achieve the perfect match for mechanical properties and profile geometry  
Andreas Schiffl | Hammerer Aluminium Industries Extrusion GmbH, Germany
- **16:10** Smart process chain for the development of additive manufacturing specific Aluminium powders and filler wires | Stephan Ucsnik  
AIT - Austrian Institute of Technology, Austria  
Status: June 2018. Subject to change without prior notice.

## 10 October 2018 | Conference Day 2

### SESSION SURFACE

- **09:30** Chromium-VI-Ban and Chromium-VI-free Surface - Pre-treatment - State of the Art | Werner Mader | GSB International, Germany
- **09:50** Improving Productivity for Eloxal | Oliver Katschmareck  
Chemetall GmbH, Germany
- **10:10** Anodizing as pre-treatment for powder coating: Technical and environmental advances | José Fernando García Lucas  
ALVAREZ-SCHAER, S.A, Spain
- **10:30** Mat Powder Coatings – A Challenge For The Supply Chain  
Michael Wehnhardt | Akzo Nobel, Germany. Harald Schreiner  
PBS Schreiner GmbH, Germany
- **11:10** Latest market trends in the European Architectural market & sustainable solutions | Ludovic Beal | Axalta Coating Systems, Germany
- **11:30** DGNB Platinum Certification – A sustainable façade clad with Novelis aluminium ff2® | Thore Kroeger | Novelis Deutschland GmbH, Germany
- **11:50** High Scratch and Abrasion Resistant Coatings for Automotive Exterior Trim Applications – Applied Nanotechnology & Functional Properties | Wibke Hartleb | Momentive Performance Materials GmbH, Germany
- **12:10** Comparative electrochemical and intergranular corrosion-resistance testing of wrought aluminium-alloy-based end products  
Varužan Kevorkijan | Impol Group, Slovenia  
Status: June 2018. Subject to change without prior notice.

### SESSION RECYCLING

- **13:30** Sensor Based Sorting of Aluminium Scrap | Nils Bauerschlag  
Hydro Aluminium Rolled Products GmbH, Germany
- **13:50** Extensive applications of premium products with higher recycling rates | Martin Hartlieb | Eccomelt LLC, Canada
- **14:10** Recycling dirty aluminium tinfoil into biofuel catalyst and other useful products | Ahmed Osman | Queen's University, Ireland
- **14:30** Aluminium drives innovation for the future of mobility  
Michael Hahne | Novelis AG, Germany
- **15:10** The Aluminium Stewardship Initiative: Implementation and impact? | Fiona Solomon | asi Aluminium Stewardship Initiative, Australia
- **15:30** Recycling of contaminated Aluminium Scrap in Twin Chamber Furnaces | Rukiye Gültekin | Tenova LOI Thermprocess, Germany
- **15:50** High efficient alloy selective sorting with laser light  
Edwin Büchter | cleanSORT GmbH, Germany
- **16:10** Circular economy and waste shipment regulation, legislative developments- the way forward | Magdalena Garczynska  
EA -European Aluminium, Belgium  
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## 11 October 2018 | Conference Day 3

### SESSION AUTOMOTIVE

- **09:30** Digitization, Electrification, Urban Mobility – how will the future Auto Industry look? | Marius Baader | VDA - Verband der Automobilindustrie e.V., Germany
- **09:50** A more sustainable urban transport concept using aluminium intensive design | Leif Hagebeuker | Hydro Aluminium, Norway
- **10:10** Partnering with customers to find the best solutions - an example of systems engineering in the Automotive industry  
Bart Sprengers | Aleris Aluminum Duffel BVBA, Belgium
- **10:30** Development NHT Alloys with Good Hot Cracking Resistance for Automotive Applications via ICME Approach  
Xinyan Yan | Alcoa Technical Center, USA

- **11:10** Development of high strength alloys for the automotive market (HHS 400 – The future of aluminium is strong)  
Susanne Koch | Hydro Extruded Solutions, Germany
- **11:30** Evaluation of usability for molten route manufactured Aluminium composite foam panels | Ali Ulus | ITU - Istanbul Technical University, Turkey
- **11:50** Continuous Process development for a new mechanical joining technology of aluminium alloys (AiF-Project No. 19249)  
Thomas Grimm | IWU - University of Dresden, Germany
- **12:10** Metal 3D printing in the automotive industry on the way to mass production | Ralf Frohwerk | SLM Solutions Group AG, Germany  
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### General Conference Schedule and Address

09 | 10 October 2018  
08:30 – 09:30 Registration  
10:50 – 11:10 Coffeebreak  
12:30 – 13:30 Break  
14:50 – 15:10 Coffeebreak

11 October 2018  
08:30 – 09:30 Registration  
10:50 – 11:10 Coffeebreak

All sessions take place in  
CCD-Ost, room M + R.

Address Details:  
**ALUMINIUM 2018  
Conference**  
Congress Center Ost  
Messe Düsseldorf  
Stockumer Kirchstraße  
40474 Düsseldorf  
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