

# Conference Programme (updated 18/6/22)

## Monday 20 June

### 14.00-14.30: Opening Session

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#### 14.00 – 14.05 Opening of the Conference

*Matteo Bisol, President, EGGA Galvanizing Europe*

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#### 14.05 – 14.10 Welcoming Remarks

*Pier Luigi D'Ambrosio, President, Associazione Italiana Zincatura*

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#### 14.10 – 14.30 The Galvanizing

**Industry in Italy** *Carmine Ricciolino, Director-General, Associazione Italiana Zincatura*

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### 14.30-15.55: Keynote Session – Energy, Decarbonisation & Circular Economy

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14.30-14.50 *Reinhard Bütikofer MEP, Group of the Greens / European Free Alliance*

14.50-15.15 *A Barceló (Rapporteur – Opinion on Carbon Border Adjustment Mechanism, European Economic and Social Committee / Director General, UNESID, Spain)*

15.15-15.30 *Giuseppe Toia (Vice President, ASSOMET, Italy)*

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#### 15.30 – 15.55 Panel Discussion – Recognising galvanizing's contribution to net zero / The decarbonisation challenge

*(Moderator: Paul Niederstein, Germany)*

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### 15.55-16.30: Keynote Session – Zinc

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15.55 – 16.20 *Claire Hassall (Director and Zinc Market Specialist, CHR Metals, UK)*

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16.20 – 16.30 *Daniel Asplund (Manager Sales Zinc, Boliden, Sweden)*

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16.30 - Enjoy a drink in the Michelangelo Room exhibition area directly after the close of the session.

### 20.00: Welcome Reception sponsored by Rezial

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## The Organisers

### European General Galvanizers Association (EGGA)

The European General Galvanizers Association (EGGA) is a federation of the national galvanizers associations within Europe. EGGA monitors and responds to issues affecting the general galvanizing industry in Europe. EGGA also provides a platform for coordination of marketing and other initiatives.

[www.galvanizingeurope.org](http://www.galvanizingeurope.org)



### Associazione Italiana Zincatura (AIZ)

Associazione Italiana Zincatura (AIZ) represents the galvanizing industry in Italy. It provides authoritative information and advice about the hot dip galvanizing process and the galvanizing industry to users and potential users.

[www.aiz.it](http://www.aiz.it)



## Tuesday 21 June

### 09.00-10.30: Session 1 - Improving Efficiency

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#### **09.00 Environmentally-friendly and sustainable pre-treatment technology**

*D Tamir (Tal Or Ecology, Israel)*

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#### **09.20 Turning down the heat on cleaning**

*A Bennison (TIB Chemicals AG, Germany)*

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#### **09.40 Shit energy – Process heating using cooling water from methanization**

*A Zedet, (Prestia Group, France)*

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#### **10.00 Digital twin technology for maintenance cost reduction**

*X Liu (Hasco Thermic Ltd, UK)*

#### **10.20 QUESTIONS**

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### 10.30-11.00: Coffee Break / Exhibition

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### 11.00-12.45: Session 2 – Decarbonising Furnace Heating

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#### **11.00 Electrically-Heated Furnaces for Galvanizing**

*N Faulhaber (CH Evensen, Norway)*

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#### **11.25 Hydrogen-methane mixtures for combustion furnace in galvanizing plant: a feasibility study** *Ing. R Francesca (Irpinia Zinco srl, Italy)*

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#### **11.50 Hydrogen furnaces: Status and Possibilities**

*H D Jasper (JASPER Gesellschaft für Energiewirtschaft und Kybernetik mbH, Germany)*

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#### **12.15 Gas, Galvanizing and Greenwashing – perspectives from China**

*R White (Wedone thermprocess Shanghai Co., Ltd, China)*

#### **12.40 QUESTIONS**

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### 12.45-14.00: Lunch / Exhibition

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### 14.00-15.30: Session 3 – Process Innovation and Optimisation

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#### **14.00 Managing a plant down to the small details**

*M Bozzi (Gimeco, Italy)*

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#### **14.20 Lead-Free Galvanizing**

*A Mertke (Boliden)*

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#### **14.40 Safe use of jigs in galvanizing plants – risks, solutions and control measures**

*S Hopkins and S Whitehouse (Joseph Ash Galvanizing, UK)*

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#### **15.00 Fachkraft Feuerverzinken: E-learning and practical training for workers**

*H Glinde (Industrieverband Feuerverzinken, Germany)*

#### **15.20 QUESTIONS**

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### 15.30-16.00: Coffee Break / Exhibition

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### 16.00-17.30: Session 4 – Galvanizing in Action & Global Galvanizing Awards

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#### **16.00 Batch galvanized sub-structures for rear ventilated facades**

*D Ridder-Weßells (University of Siegen, Department of Architecture, Germany)*

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#### **16.20 Digital Market Development of Hot-Dip Galvanizing in North America**

*M Lindsley (American Galvanizers Association, USA)*

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#### **16.30 Architecturally exposed structural steel: Challenges and opportunities for the galvanizer**

*A Fossa (American Galvanizers Association, USA)*

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#### **16.45 Aripuanã Project - Galvanized structures and sustainable project building the mining of the future**

*R Tozin (Nexa Resources, Brazil)*

#### **17.05 QUESTIONS**

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### 17.10 Presentation Of Global Galvanizing Awards

### 17.30 Close of Session

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### 18.45: Buses depart for Gala Dinner sponsored by Metalsider2 and Soprin

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## Wednesday 22 June

### 09.00-10.30: Session 5 – Corrosion Performance

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#### 09.00 Software tools for durability calculation for a customer guarantee in Spain

*J Tundidor (ATEG, Spain)*

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#### 09.20 New findings on the formation of corrosion product layers on zinc in the atmosphere

*M Babutzka (Bundesanstalt für Materialforschung und -prüfung (BAM), Germany)*

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#### 09.40 Coating developments and their corrosion assessment

*B Allaert (Bekaert, Belgium)*

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#### 10.00 Microenvironments – Effect of common construction practices on durability

*P Golding (Galvanizers Association of Australia)*

#### 10.20 QUESTIONS

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### 10.30-11.00: Coffee Break / Exhibition

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### 11.00-12.45: Session 6 – Improving Fire Resistance of Steel Structures

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#### 11.00 Fire resistance of steel structures – the beneficial effect of galvanizing

*E Nigro (University of Naples, Italy)*

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#### 11.25 Fire resistance behaviour of hot-dip galvanized HSS composite girders and connections of protected to hot-dip galvanized steel girders

#### – Fire resistance of hot-dip galvanized high-strength structural steel

*M Firan (Technical University of Munich, Germany), J Frenz (Technische Universität Braunschweig, Germany) & R Kühne (RWTH Aachen University, Institute of Steel Construction, Germany)*

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#### 11.50 Fire Resistance of Galvanized Steel: Practical experience and case studies

*M Huckshold (Industrieverband Feuerverzinken, Germany)*

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#### 12.10 National progress reports

*Contributions from EGGA National Associations*

#### 12.35 QUESTIONS

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### 12.45-14.00: Lunch / Exhibition

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### 14.00-15.30: Session 7 – Duplex Coatings and Post Treatments

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#### 14.00 Blasting Abrasives for Preparing Galvanized Surfaces for Paint and Powder Coating

*A Fossa (American Galvanizers Association, USA)*

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#### 14.25 Making the chemical pretreatment process for Duplex (powder coating) on galvanized steel ready for the future in terms of quality, durability and sustainability

*R van Meer (AD Chemicals, Netherlands) & N Beljaars (Wecoat, Netherlands)*

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#### 14.50 Development of a passivation under the aspect of sustainability with maximum environmental compatibility

*B Haupt (Stockmeier Chemie GmbH + Co KG, Germany)*

#### 15.15 QUESTIONS

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### 15.30-16.00: Coffee Break / Exhibition

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### 16.00- 17.30: Session 8 – Technology and Applications

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#### 16.00 Galvanized steel for vineyards and fruit orchards

*M van Leeuwen (International Zinc Association)*

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#### 16.20 Galvanizing of Steel Bridges in Nepal – Our Expertise & Experiences

*A Paudel (Jalap Nepal (P) Ltd, Nepal)*

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#### 16.40 Grouted joint for integral composite frame bridges suitable for hot dip galvanizing

*F Oberhaidinger & L Stimmelmayer (Technische University of Munich, Germany)*

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#### 17.00 Bolted connections for hot-dip galvanized steel and composite bridges

*J Grote, P Hatke & D Ungerman (TU Dortmund University - Institute of Steel Construction, Germany) / A-K Kraemer, M Klein & M Oechsner (TU Darmstadt - State Materials Testing Institute)*

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#### 17.20 QUESTIONS

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### 17.30: Closing Remarks and Invitation to Intergalva 2024

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