

12th International Conference on Zinc & Zinc Alloy Coated Steel Sheet - GALVATECH 2021

21 June 2021 - 23 June 2021

Virtuel Conference

Scientific Programme

New Galvanizing Lines with Innovative Solutions and New Technological Concepts

New Technological Concepts

Electrogalvanizing - Process and Product

Vapour Deposition - Process and Product

HDG Process Technology - Furnace, Galvanizing Bath, Coating Weight Control

Fundamentals on Gas - Metal Interfacial Reactions

Fundamentals on Solid - Liquid Interfacial Reactions

Process Technology - Pre/Post-Treatment (Strip Cleaning, Skin Passing, Passivation, Oiling)

Challenges in Galvanizing Advanced High Strength Steels (GI, GA,...)

Product Modifications on Metallic Coatings (Spangle Size, Solidification Path, Interface Layers, ...)

In-Line Measurements and Quality Control

Structure and Surface Analysis as well as Defect Characterization

Press Hardening of Zn-Based Coatings

Press Hardening of Coated Steels

Hydrogen Embrittlement

Thermal Joining (Spot Welding) and Liquid Metal Embrittlement

Automotive Corrosion Behavior

Fundamentals on Atmospheric Corrosion and Corrosion Modelling

Automobile Application - Forming, Joining, Painting and Final Properties

Construction Application - Forming, Joining, Painting and Final Properties

Household Application - Forming, Joining, Painting and Final Properties

Consumer Electronics Application - Forming, Joining, Painting and Final Properties

Zinc-Aluminum-Magnesium Coatings for Automotive Application

Zinc-Aluminum-Magnesium and Zinc-Aluminum Coatings for Non-Automotive Application