

13:00~14:50, Monday, Oct. 16

| MA3 Advances in CGL Technology I | | | | | |
|---|----------|------------|--|-------------|-----------|
| Chair: Thomas Daube | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MA3-1 | P00006 | Invited | Quenching technologies for UHSS and 3rd generation AHSS CAL / CGL processing | Maxime | Monnoyer |
| MA3-2 | P00101 | General | Flexibilization Of The Heating System In Continuous Galvanizing Lines To Reduce CO ₂ -Emissions | Elsa | Busson |
| MA3-3 | P00009 | General | Non-oxidizing Water Quench To Tailor UHSS For Excellent Zn Wettability | Cornelia | Ionescu |
| MA3-4 | P00216 | General | Laser Ultrasonic Inspection of Mash Seam Welds in a Steel Mill | Andrew | Sauerwald |
| MA3-5 | P00052 | General | Fused Silica Rolls Development In Annealing Furnaces of Hot Dip Galvanizing Lines | Jean-Michel | Poncelet |

| MB3 Bath Management I | | | | | |
|--------------------------------------|----------|------------|--|------------|-----------|
| Chair: Housseem Eddine Chaieb | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MB3-1 | P00033 | Invited | Corrosion Evaluation of Submerged Hardware Materials in a Novel Galvanizing Bath with Small Additions of Mn/Sb | Neil | Gao |
| MB3-2 | P00197 | General | Investigation of alumina coating for sink roll and its accessories intending excellent service life in galvanizing pot | Anushri | Nag |
| MB3-3 | P00019 | General | Abnormal Coating Buildup on Si Bearing Steels in Zn Pot During Line Stop | Weimin | Zhong |
| MB3-4 | P00134 | General | Immersion Heaters Application in Hot Dip Galvanizing Pots | Matthieu | DIDIER |

| MC3 AHSS Wettability I | | | | | |
|-------------------------------|----------|------------|--|----------------|------------------|
| Chair: Joseph McDermid | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MC3-1 | P00202 | Invited | Oxidation and decarburization of a Dual Phase steel during continuous annealing | Marie-Laurence | Giorgi |
| MC3-2 | P00070 | General | Current challenges in AHSS, from galvanizing process to the In-use applications. | Ana Paula | Domingos Cardoso |
| MC3-3 | P00150 | General | Mechanical Properties, Selective Oxidation and Reactive Wetting of a Medium-Mn Third Generation Advanced High Strength Steel | Frank E. | Goodwin |
| MC3-4 | P00113 | General | Development of steel for energy storage cabinet with excellent bending performance and good surface quality | Huasai | Liu |

| MD3 ZnAlMg Corrosion I | | | | | |
|--------------------------------|----------|------------|--|------------|-----------|
| Chair: Daniel Yihui Liu | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MD3-1 | P00020 | Invited | Influence of microstructure on the corrosion of zinc aluminum magnesium coated steel | Dominique | Thierry |
| MD3-2 | P00058 | General | Electrochemical Investigation of Role of Corrosion Products in Cut-edge Corrosion Behaviors of Hot-dip Zn-Al-Mg Coated Steel | Shimpei | Tokuda |
| MD3-3 | P00007 | General | Corrosion application behaviour of ZnAl(Mg) coatings on wire | Florence | Lacante |
| MD3-4 | P00022 | General | Study on Cut-edge Corrosion Resistance of Zinc-Aluminum-Magnesium Coated Steel Sheet | Ting | Shang |
| MD3-5 | P00066 | General | The Effect Of Coating Thickness On The Surface Corrosion Of Zinc-Aluminum-Magnesium Coatings On Steel. | Amar Dhoj | Malla |

14:50~16:30, Monday, Oct. 16

| Poster | | | | | |
|------------|----------|------------|--|-------------|-------------------------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| P1 | P00017 | General | THE INFLUENCE OF MN CONTENTS ON THE MICROSTRUCTURE AND CORROSION RESISTANCE OF THE ZN-AL-MG ALLOYS | Guanghai | Liu |
| P2 | P00039 | General | Effect of Needle-shaped Leakage Defects on Corrosion Properties of Hot-dip Galvanized Strip Steel | Shaoshuang | Zhang |
| P3 | P00047 | General | Corrosion Behavior of Trivalent Chromium Passivated Zn-Al-Mg Coated Steel | Haotian | Chen |
| P4 | P00056 | General | Effect of Softening Heat Treatment on the Surface Characteristic of Quenching and Partitioning (Q&P) Steel | Yunkyum | Kim |
| P5 | P00063 | General | In-situ Observation of Liquid Metal Penetration of Molten Copper into the Grain Boundaries of Ultra-Low Carbon Steels | Hyeonwoo | Park |
| P6 | P00094 | General | The Effect of Pre-coated-Ni on the Coating of GI-Hot Stamping Steel after Heat Treatment | Boming | Zhang |
| P7 | P00096 | General | Study on determination method of iron content in galvanized coating of zinc-iron alloy | Chun | Fan |
| P8 | P00107 | General | A Study on the Influence Factors of the Edge Dendritic Plating of Steel Sheet in the Electrogalvanizing Line | Du-Hwan | Jo |
| P9 | P00122 | General | HIGH CORROSION RESISTANCE OF AL-MG-SI ALLOY FILM ON STEEL PLATE FORMED BY PVD MG COATING AND HEAT TREATMENT | Myeong-Hoon | Lee |
| P10 | P00123 | General | Heat Treatment of Sn/Mg Films deposited on Hot-Dip Galvanized Steel and Their Corrosion Resistances | Myeong-Hoon | Lee |
| P11 | P00124 | General | HEAT TREATMENT EFFECT ON ANTI-CORROSION PERFORMANCE OF MG FILM ON HOT-DIP ALUMINIZED STEEL | Myeong-Hoon | Lee |
| P12 | P00125 | General | Determination of Aluminum, Magnesium, Iron and Silicon in Galvanized Steel Sheet by Inductively Coupled Plasma Atomic Emission Spectrometry | Lingling | Ren |
| P13 | P00133 | General | Effect of the galvanizing furnace temperature on the material property and the galvanized surface of hot rolled galvanized steel | JongChan | Jeong |
| P14 | P00136 | General | Three-dimensional dendrite growth phase-field simulation in thin film during hot-dip galvanized coating | Tomohiro | Takaki |
| P15 | P00137 | General | Predicting interface anisotropy of Zn-Al alloy through data assimilation coupled with phase-field simulations and X-ray imaging | Ayano | Yamamura |
| P16 | P00146 | General | Effects of welding parameters on the microstructure and mechanical properties of resistance spot welded zinc-aluminum-magnesium coated DC51D steel | Cheng | MA |
| P17 | P00170 | General | Effect of calcium addition on the morphological properties and corrosion performance of hot-dip Al alloy-coated steel | Srinivasulu | Grandhi |
| P18 | P00171 | General | Phase-field model of dendritic growth and simulation of mechanical behaviour of ZnAlMg coatings | Mikel | Bengoetxea Aristondo |
| P19 | P00176 | General | The development on process of continue pickling & hot dip Zn-Al-Mg alloy united line for hot rolling plate | li | chao |
| P20 | P00184 | General | Trace Si Addition for Enhanced Corrosion Resistance and Surface Control of Zn-Al-Mg Coated Steel Sheets | Se-Young | Oh |
| P21 | P00194 | General | Galvanized Zn-Al coatings on Steel Sheets and Wires Produced in a Hot Dip Process Simulator (HDPS) | Lucia | Suarez |
| P22 | P00199 | General | Determination of Aluminum, Iron, Lead and Cadmium in Zinc and Zinc Alloy Products by X-ray Fluorescence | Jinyang | Yu |
| P23 | P00208 | General | Development of Digitalization Technology for Galvanizing Process Using Computer Vision Technology | TAEJUN | PARK |
| P24 | P00218 | General | The effect of pre-plating technique on LME phenomenon of advanced high strength steel during spot welding | Xue | Bai |

16:30~18:20, Monday, Oct. 16

| MA4 Advances in CGL Technology II | | | | | |
|--|----------|------------|---|------------|-----------|
| Chair: Weimin Zhong | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MA4-1 | P00081 | Invited | Green CGL -the fossil free galvanizing process | Thomas | Daube |
| MA4-2 | P00109 | General | ACCURACY ANALYSIS OF IRON CONTENT OF GALVANIZED COATING USING AN X-RAY FLUORESCENCE SPECTROMETER WITH AN L-SPECTRUM | Jingjing | Wang |
| MA4-3 | P00099 | General | The three zones Up-stroke air Cooler for strip continuous Zn-Ai-mg Coating line | Baisong | Yang |
| MA4-4 | P00145 | General | Manufacture and characteristics of Zn & Zn-Mg coated steel sheets by PVD process | Young Jin | Kwak |

| MB4 Bath Management II | | | | | |
|-------------------------------|----------|------------|--|----------------|-----------|
| Chair: Neil Gao | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MB4-1 | P00062 | General | Effect of Solute Mn on the Alloying Reaction on Steel Sheets in Hot-Dip Galvanizing Process | Suzue | Yoneda |
| MB4-2 | P00189 | General | Effect of aluminum content in the molten zinc pot on the coating properties of the galvanized steel sheets | Shin-Wook | Seo |
| MB4-3 | P00135 | General | Experimental Evaluation of Ingots Melting Kinetic | Matthieu | DIDIER |
| MB4-4 | P00015 | General | Modification of the Al ₂₀ Fe ₅ Si ₂ (+Zn) Intermetallic Phase by Addition of Vanadium in 55%al-Zn Coating Alloy | Nega | Setargew |
| MB4-5 | P00045 | General | Static Immersion of Ceramics in GI and Zinc-Aluminium-Magnesium for Optimised Galvanising Bath Bearings | Giovanni Paolo | Alparone |

| MC4 AHSS Wettability II | | | | | |
|-----------------------------------|----------|------------|--|------------|-----------|
| Chair: Jean-Michel Mataign | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MC4-1 | P00151 | Invited | Effect of Sb-micro addition on the oxidation kinetics and reactive wetting of medium and high Fe-Mn alloys | Joseph | McDermid |
| MC4-2 | P00152 | General | The Effect of Sn Microalloying on Oxide Growth and Galvanizing Performance of Medium and High Mn Alloys | Joseph | McDermid |
| MC4-3 | P00032 | General | The effect of Al addition in steels on galvanizability of 2mass% Mn bearing low C steels | Masahiro | Yoshida |
| MC4-4 | P00053 | General | Effect of Boron in AHSS on Coatability in Hot-dip Galvanizing | Daisuke | Tahara |

| MD4 ZnAlMg Corrosion II | | | | | |
|--------------------------------|----------|------------|--|------------|-----------|
| Chair: Myeong-Hoon Lee | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| MD4-1 | P00050 | General | Corrosion Behavior of ZnAlMgSi Coatings | Vaclav | Sefl |
| MD4-2 | P00185 | General | Characteristics of Hot-dip ZnMgAl coatings with Ultra-high corrosion resistance | Sungjoo | Kim |
| MD4-3 | P00060 | General | Characterization of Solidification and Microstructure of an Al-Zn-Mg-Si Alloy | He | Tian |
| MD4-4 | P00147 | General | Effects of After-Pot Cooling Rate on the Microstructure and Cracking Resistance of Hot-Dipped Zn-12wt%Al-5wt%Mg Coatings | Jihun | Choi |

10:40~12:10, Tuesday, Oct. 17

| TA2 Special Auto Chair: Doo-Jin Paik | | | | | |
|---|----------|------------|--|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TA2-1 | P00120 | Invited | Automotive Industry Trend and Materials Engineering Contribution for Electrification, Lightweight, and Carbon Neutrality | Takao | Hayashi |
| TA2-2 | P00207 | General | The Application and Prospect of Zinc Plating to Secure Anti-corrosion Performance of Future Cars | Hyemin | Joo |
| TA2-3 | P00090 | General | Effect of Post Treatment on Corrosion Behavior of Zn-Al-Mg Coated Sheet Steels | Jong Sang | Kim |
| TA2-4 | P00072 | General | Evaluation of LME Susceptibility of Al-Zn-Si Coated Steel during Resistance Spot Welding and Hot Press Forming | Daehoon | Jeong |

| TB2 Bath Management III Chair: Benjamin Grenier | | | | | |
|--|----------|------------|---|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TB2-1 | P00028 | Invited | Oxidic Dross Pick Up by Smooth and Rough Strip Surfaces | Roel | Mallens |
| TB2-2 | P00036 | General | Influence of Snout Humidification on Thin Oxide Skin Related Coating Defects and Zinc Evaporation | Friedrich | Luther |
| TB2-3 | P00027 | General | INVESTIGATION OF 3D SHAPE OF THE TOP DROSS FORMED IN A MOLTEN ZINC BATH | Takeshi | Konishi |
| TB2-4 | P00014 | General | Measuring the Level of Dross Intermetallic Particles in 55%Al-Zn Alloy Based Metal Coating Bath by Pressure Filtration Technique. | Nega | Setargew |

| TC2 Product Quality Chair: Frances Bleich | | | | | |
|--|----------|------------|--|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TC2-1 | P00044 | Invited | Evaluation of Surface Cleanliness of Steel Strip After the CGL's Cleaning Section by the Reflectance Test and Chemical Analysis of Residual Elements | Juliana | Guimaraes |
| TC2-2 | P00165 | General | Root cause of an uncommon dent like surface defect on Zn coated steel sheet from Continuous Galvanizing Line of Tata Steel, Jamshedpur | Avik | Mondal |
| TC2-3 | P00169 | General | Unraveling the Mechanism of Surface Gloss Defects Formed on Galvanized Advanced High Strength Steels | Weichen | Mao |
| TC2-4 | P00078 | General | How Through-Process Optimization (TPO) assists to meet product quality | Klaus | Jax |

| TD2 ZnAlMg Properties I Chair: Guangrui Jiang | | | | | |
|--|----------|------------|---|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TD2-1 | P00103 | Invited | Effect of Cooling Rate in ZnMgAl-Coating Process on Adhesive Strength between ZnMgAl-Coated Steel and Epoxy Resin | Young-Rae | Cho |
| TD2-2 | P00139 | General | Coating Technology to Improve the Performance of Resistance Welding Electrodes | Sanghoon | Yoon |
| TD2-3 | P00082 | General | Effect of heat treatment on corrosion resistance of Zn-Mg-Al alloy coated steel | Il Ryoung | Sohn |
| TD2-4 | P00092 | General | Galvanizability and Corrosion Properties of Zn-Mg-Al Hot-dip Coating with Shot Blasting Pre-treatment | Tae Chul | Kim |

14:00~15:50, Tuesday, Oct. 17

| TA3 Hot Press Forming Chair: Daniel Ximenes | | | | | |
|--|----------|------------|--|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TA3-1 | P00040 | General | Zinc-Oxide Formation On Zinc-Coated Steel Sheet During Hot Stamping | shota | hayashida |
| TA3-2 | P00143 | General | Surface Oxide Layer Structure, Morphology and Particle Distribution in Galvanized Coating of 22MnB5 Steel after Different Austenitizing Heat-treatment Temperature | Ziliu | Xiong |
| TA3-3 | P00048 | General | Study Of Phase Transformation Temperatures And Fe Enrichment Of A 22mnb5 Zn-Fe Coated Steel With 45 g/m2 And 80 g/m2 Under Hot Stamping Conditions | Daniel | Ximenes |
| TA3-4 | P00196 | General | Low Temperature Direct Hot-Stamping of a Zinc-Coated Manganese-Containing Press Hardening Steel | Frank E. | Goodwin |
| TA3-5 | P00203 | General | Corrosion Resistance of Aluminum-zinc Coating on Press Hardening Steel for Automotive Applications | Hyeon Seok | Hwang |

| TB3 A/K Control I Chair: Thomas Koll | | | | | |
|---|----------|------------|--|------------|---------------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TB3-1 | P00190 | Invited | Metallic Coating Wiping Optimization And Quality Enhancement With Global Pot Management On Continuous Galvanizing Line | Benjamin | GRENIER |
| TB3-2 | P00010 | General | Establishing the Maximum Stagnation Pressure Gradient for Varying Air Knife Nozzle Design through Measurements | Jaap | van Eenennaam |
| TB3-3 | P00021 | General | Effects of Inclined Impinging Jet on CGL Gas Wiping Process | Kenji | Yamashiro |
| TB3-4 | P00025 | General | Jet and Coating Dynamics in The Industrial Jet Wiping Process | Buyung | Kosasih |
| TB3-5 | P00200 | General | Coating weight distribution control with fusion of sensors and software technologies | Changwoon | Jee |

| TC3 Galvannealing Chair: Anirban Chakraborty | | | | | |
|---|----------|------------|---|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TC3-1 | P00084 | Invited | Heavy Zinc Iron Intermetallic Formation and Zinc Embrittlement During Hot Dip Galvanizing Process | Frances | Bleich |
| TC3-2 | P00061 | General | On the Fe-Zn interaction and phase evolution at the coating/substrate interface of hot-dip galvanized steels with high Si content | Alexey | Minenkov |
| TC3-3 | P00181 | General | Formation behavior of Γ phase in the early stage of solid/liquid interfacial reaction between Fe and molten Zn at 450 °C | Kwangsik | HAN |
| TC3-4 | P00183 | General | Identification of Multi-Phase-Field Model Parameters Using Time-Series Data of Concentration Profile | Shunsuke | Shiotani |

| TD3 ZnAlMg Properties II Chair: Naoki Takata | | | | | |
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| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TD3-1 | P00141 | Invited | New Corrosion Resistant "Zn-Al-Mg Alloy Hot-dip Galvanized Steel Sheet" | Kohei | Tokuda |
| TD3-2 | P00088 | General | ZnAl _{3.5} Mg _{3.0} supporting the renewable energy transition | Beril | Corlu |
| TD3-3 | P00168 | General | Emission-reduced high-quality flat steel with excellent zinc-aluminium-magnesium corrosion protection for emission-free power production | Jennifer | Schulz |
| TD3-4 | P00102 | General | Study on interaction of Cr with Fe in molten 55Al-Zn-Mg-Si alloy bath | Xinyan | Jin |

16:10~18:00, Tuesday, Oct. 17

| TA4 Measurement Chair: Nega Setargew | | | | | |
|---|----------|------------|---|----------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TA4-1 | P00037 | General | On-Line Cleanliness Monitoring With LIBS-Based Sensor | Thomas | Gossuin |
| TA4-2 | P00029 | General | Successful Redesign & Deployment of the TST.1 Online Non-Contact Surface Cleanliness Monitoring System | Eric | Almquist |
| TA4-3 | P00057 | General | Influence of as-received roughness and dew point on pyrometry of advanced high strength steel during intercritical annealing | Fatima | Suleiman |
| TA4-4 | P00077 | General | Modelling the Effect of Upstream Processes (of Annealing) on the Radiative Properties of Advanced High-Strength Steels through a Factorial Design-Of-Experiments Approach | Nishant Sriram | Narayanan |
| TA4-5 | P00073 | General | Inline measurement of surface roughness and oil film thickness – Smart Press Shop uses decisive parameter data in galvanized strip forming | Martin | Fieweger |

| TB4 A/K Control II Chair: Alessandro Ferraiuolo | | | | | |
|--|----------|------------|--|------------|-----------|
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TB4-1 | P00118 | Invited | Experimental wiping design efficiency assessment | DROUOT | Mathilde |
| TB4-2 | P00065 | General | Towards High Speed Galvanizing - Mastering Wiping Conditions Using Hydrodynamic Pads Strip Stabilization | Olivier | Brégand |
| TB4-3 | P00149 | General | LES Simulation of Gas Jet Wiping via Multi-Slot Air Knives During Continuous Hot Dip Galvanizing | Joseph | McDermid |
| TB4-4 | P00191 | General | Artificial intelligence-based descriptive, predictive, and prescriptive coating weight control model for continuous galvanizing line | Devraj | Ranjan |
| TB4-5 | P00085 | General | Development of AI models for improved air knife control | Andrea | Asperti |

| TC4 Analysis Chair: Ana Paula Domingos Cardoso | | | | | |
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| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TC4-1 | P00059 | Invited | In-Situ SEM Observation and DIC Strain Analysis for Deformation and Cracking of Hot-Dip ZnMgAl Alloy Coating | Naoki | Takata |
| TC4-2 | P00087 | General | In-situ characterization of the mechanical behavior of hot-dip Zn-5Al coating: An overview of the deformation and damage mechanisms | Housseem Eddine | Chaieb |
| TC4-3 | P00024 | General | Use of IR spectroscopical techniques to investigate corrosion and coating degradation of prepainted galvanised steel | Nathalie | LEBOZEC |
| TC4-4 | P00106 | General | Determination of rare earth elements in zinc alloy by inductively coupled plasma atomic emission spectrometry | Jie | Zhang |

| TD4 ZnAlMg Surface Qualities Chair: Min-suk Oh | | | | | |
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| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| TD4-1 | P00100 | Invited | Study on darkening behavior of ZnAlMg coating | Guangrui | Jiang |
| TD4-2 | P00046 | General | Surface Darkening and Discoloration of Prepainted Sheet Using Zn-Al-Mg Coated Steel in High Temperature-Humidity Environment | Jae-Cheol | Lee |
| TD4-3 | P00117 | General | Formation Mechanism of Freckles on Zn-Al-Mg Coatings and their Influence on Processing Properties | Nils | Köpper |
| TD4-4 | P00127 | General | Study on the characteristics and mechanism of blackening behavior under the anti-fingerprint coatings of fingerprint resistant Al-Zn-Mg coated steel sheet | Yuling | REN |
| TD4-5 | P00095 | General | A New Method to Improve the Quality of Coated Steel Sheet in the Hot-Dip Al-Zn Galvanizing Process | Rensheng | CHU |

09:00~10:30, Wednesday, Oct. 18

| WA1 Outlook of CGL | | | | | |
|-------------------------------|----------|------------|--|------------|------------------|
| Chair: Paul Janavicius | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WA1-1 | P00089 | Invited | 24 Years of Galvanized Autobody Partnership – Highlights and Prospects | Ana Paula | Domingos Cardoso |
| WA1-2 | P00186 | Invited | Introduction of Innovative Restoration Technology for Flooded Hot-dip Galvanizing Pots | Doojin | Paik |
| WA1-3 | P00172 | General | Application of automotive closure parts with a multi-material design concept | Min Hong | Seo |

| WB1 Hydrogen Embrittlement I | | | | | |
|-------------------------------------|----------|------------|--|------------|-----------|
| Chair: Sung-Joon Kim | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WB1-1 | P00051 | Invited | High Strength Steels in Automotive and Risk of Corrosion-Induced Hydrogen Embrittlement | Tomas | Prosek |
| WB1-2 | P00030 | General | Effect of Halide Ions on Hydrogen Entry Efficiency into Steel Sheet. | Hiroki | Kawanami |
| WB1-3 | P00035 | General | Hydrogen Aging During Hole Expanding Tests Of Galvanized High Strength Steels Investigated Using A Novel Thermal Desorption Analyzer For Small Samples | Melodie | Mandy |

| WC1 Corrosion I | | | | | |
|---------------------------------|----------|------------|--|-------------------|-----------|
| Chair: Dominique Thierry | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WC1-1 | P00004 | Invited | The corrosion of Zinc coated steel elements: case studies and issues | Christian | Paglia |
| WC1-2 | P00148 | General | Electrochemical Investigation into the Effects of Bending of Coatings Containing MgZn ₂ Phase | Matthew Alexander | Brooks |
| WC1-3 | P00138 | General | Comparison on Corrosion properties of Zn-coated steels under Accelerated Corrosion tests Used in European and Asian Automotive and Constructional Industries | Yun Ha | Yoo |
| WC1-4 | P00157 | General | Evaluation of Corrosion Behavior and Sacrificial Protection of Zn, Al-Si, Al-Zn-Si hot-dip coating with electrochemical-elemental analysis method | Jaeik | Kwak |

| WD1 ZnAlMg Microstructure | | | | | |
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| Chair: Thomas Mörtlbauer | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WD1-1 | P00154 | Invited | Enhanced Fe-Al Interfacial Reaction in Hot-dip Zn–Al–Mg Alloy-coated Steel by Si Addition to the Molten Bath | Yuanyuan | Yan |
| WD1-2 | P00217 | Invited | Development of Thermodynamic Database for Metallic Coating and Its Applications | In-Ho | Jung |
| WD1-3 | P00041 | General | Evidence of Grain Refinement Originating from Dendrite Fragmentation in a Hot-Dipped Al-1.7Al-1.4Mg Coating | Joo-Youl | Huh |

10:50~12:20, Wednesday, Oct. 18

| WA2 Selective Oxidation I | | | | | |
|----------------------------------|----------|------------|--|------------|------------|
| Chair: Maxime Monnoyer | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WA2-1 | P00038 | Invited | Influence of a Nickel Pre-Coating Prior to the Annealing Step on the Adherence and Wettability of Galvanized of High Strength Steels | Corentin | Libioulle |
| WA2-2 | P00201 | General | A Study on Fe Pre-coating Technology to Improve Galvanizing Quality of High Alloy Steel | Jounghyun | La |
| WA2-3 | P00166 | General | Selective Oxidation of Fe-Al (8 wt.%) Binary Alloy During Continuous Annealing | Nathalie | Ruscassier |
| WA2-4 | P00129 | General | Reduction Behavior of Oxide Scale on Fe-Si Alloy at 1123 K | Mitsutoshi | Ueda |

| WB2 Hydrogen Embrittlement II | | | | | |
|--------------------------------------|----------|------------|---|--------------|------------|
| Chair: Thomas Prosek | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WB2-1 | P00011 | Invited | Hydrogen Absorption and Desorption in the Galvanizing Process for Advanced High-Strength Steels | Daniel Yihui | Liu |
| WB2-2 | P00043 | General | The Role of Zinc Coating in the Formation and Entry of Hydrogen in Advanced High-Strength Steel | Nikola | Machackova |
| WB2-3 | P00114 | General | A study of hydrogen embrittlement mechanism for Zn coated high strength steel | SEUNGPILL | JUNG |

| WC2 Corrosion II | | | | | |
|--------------------------|----------|------------|--|------------|-----------|
| Chair: In-Ho Jung | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WC2-1 | P00177 | Invited | Effect of Mg on Surface Crystallization of Galvalume | Junyou | Liu |
| WC2-2 | P00076 | General | Improvement of corrosion resistance in alkaline environment of GALVALUME steel sheet | EunSeok | Jang |
| WC2-3 | P00115 | General | Evaluation of Corrosion Properties of Aluminum/Steel SPR Joints for Automotive | Jin-Ho | Rhee |
| WC2-4 | P00213 | General | Effect of Zn-bath temperature on the corrosion behavior of martensitic steel 1.4095 & 1.4096 in comparison to the ferrite free 316L. | Tobias | Simon |

| WD2 ZnAlMg Alloying | | | | | |
|-------------------------------|----------|------------|---|------------|-----------|
| Chair: Jennifer Schulz | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WD2-1 | P00005 | General | Effect of Rare Earth Elements (La and Ce) on the Surface Quality of Zn-Al-Mg Automobile Sheet | Yan | Li |
| WD2-2 | P00071 | General | The effect of antimony additions on the microstructure and performance of automotive Zn-Mg-Al steel coatings | Daniel | Britton |
| WD2-3 | P00079 | General | Study of Bi, Sn and Ce Alloy Additions on Mechanical Properties of ZMA Coatings | Catherine | Hrubant |
| WD2-4 | P00158 | General | Effects of TiB and Si addition to the bath on microstructure and E-coat corrosion behaviors of Zn-Al-Mg alloy coating | Jaemin | Lee |

14:30~16:20, Wednesday, Oct. 18

| WA3 Selective Oxidation II | | | | | |
|-------------------------------------|----------|------------|---|------------|-------------|
| Chair: Marie-Laurence Giorgi | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WA3-1 | P00008 | Invited | Evaluation of Internal Oxides and Decarburized Layer Formation in the Steel Sub-Surface Area by Interrupted Annealing of an Industrially Produced Third Generation Advanced High Strength Steel | Anirban | Chakraborty |
| WA3-2 | P00064 | General | Internal Oxidation of Fe-Si-Mn-Cr Alloy Under Oxide Scales Formed During Hot Rolling Process | Shuya | Maekawa |
| WA3-3 | P00042 | General | Reaction behavior of Si-added steel sheet in zinc bath in pre-oxidation method | Shoichi | Hirai |
| WA3-4 | P00105 | General | Study of pre-oxidation on galvanizability of boron-added steel | Young Ha | Kim |
| WA3-5 | P00192 | General | Is the laboratory simulation of direct flame furnace atmospheres without using burners reliable? | Youssra | CHIBANI |

| WB3 LME | | | | | |
|----------------------------|----------|------------|---|-------------|-----------|
| Chair: Min-Suh Park | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WB3-1 | P00093 | Invited | Key Mechanisms of LME of Zn-coated AHSS | Jean-Michel | Mataigne |
| WB3-2 | P00153 | General | Evaluating the effect of chemical composition on the liquid metal embrittlement susceptibility of advanced high strength steels | Joseph | McDermid |
| WB3-3 | P00132 | General | Evaluation of Liquid Metal Embrittlement Susceptibility for Resistance Spot Welds of 3rd Generation AHSS | Du-Youl | Choi |
| WB3-4 | P00034 | General | The Role of LME-Sensitive Grain Boundary Chemistry in B-added 3 rd Generation AHSS | Elahe | Akbari |
| WB3-5 | P00119 | General | On the liquid metal embrittlement susceptibility of 3 rd generation advanced high-strength steel spot welds in severe welding conditions | Seung-Chang | Han |

| WC3 Post Treatment | | | | | |
|---------------------------------------|----------|------------|---|------------|-----------|
| Chair: Juliana Porto Guimaraes | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WC3-1 | P00013 | Invited | Corrosion protection of electrogalvanized steel sheet by chromate-free coating with tetravalent vanadium ion | Takeshi | Matsuda |
| WC3-2 | P00193 | General | Development of Fuel resistant and Cr-free Secondary Coating on Galvannealed Steel as substrate for Fuel Tanks of BS-VI compliant Two-wheelers | Mohseen | Kadarbhai |
| WC3-3 | P00091 | General | Localized Spot Corrosion behavior of a Zn Alloy Plated Steel Substrate with Chromate Conversion Coating | SOO HYOUN | CHO |
| WC3-4 | P00031 | General | Development of Antiviral Steel Sheets | Fumio | Shibao |
| WC3-5 | P00080 | General | Development of Post-Treatment Galvanized Steel Sheet with Antibacterial and Antiviral Performance | seungyoung | CHO |
| WC3-6 | P00204 | General | Development of PCM Color Coated Steel Sheets having Excellent Antiviral and Antimicrobial Properties | Du-Hwan | Jo |

| WD3 CGL Process | | | | | |
|----------------------------|----------|------------|---|------------|------------|
| Chair: Choonho Jung | | | | | |
| Session ID | Paper No | Paper Type | Paper Title | First Name | Last Name |
| WD3-1 | P00097 | General | Real Time Crossbow Measurement and Control | Owen | Pearcey |
| WD3-2 | P00163 | General | Effect of surface roughness on adhesive joints in hot and humid environments | Masumi | Koori |
| WD3-3 | P00161 | General | Research and Control of Surface Roughness of Hot-dip Galvanized Products | Ruidong | Mei |
| WD3-4 | P00069 | General | Tensile and work hardening properties evaluation through plasticity analysis in rolling process | Alessandro | Ferraiuolo |