

	Monday May 18	Tuesday May 19		Wednesday May 20
	Amphi	Amphi	Room B	Amphi
9:00-9:20	Registration (from 8:00) at the hotel entrance	Plenary 2 - Arjan Cornet Corrosion of Aluminium Alloys in Military Aircraft		Plenary 3 - Herman Terryn Towards Predictive Durability for Aerospace Aluminium Alloys: Multi-Physics FEM Modelling of Corrosion and Active Inhibitor Protection
9:20-9:45	Introduction (Amphi) Laurent Arurault (Chairman, CIRIMAT lab., Toulouse University) Odile Rauzy (President of the University of Toulouse) Anouk Laborie (General Director of Aerospace Valley cluster)			
		Session 5 Corrosion Herman Terryn	Session 2 Additive manufacturing Xiaorong Zhou	Session 5 Corrosion Christine Blanc
9:45-10:05	Plenary 1 - Oliver Bauer Higher recycled contents in Al foil alloys for food-packaging applications: How about surface chemistry and adhesion ?	Indriyati Martha Corrosion Properties of AlSi10MgMn High Pressure Die Casting Alloy	De Graeve Iris Surface treatments of aluminium alloys made by additive manufacturing	Peltier Fabienne Round robin test on a newly developed accelerated cyclic corrosion test for aluminium alloys used in the aerospace industry
10:05-10:25		Cauquil Coralie Development of new corrosion sensors based on the electrical resistance technique for aluminium alloys	Del Olmo Martinez Ruben Microstructure, surface chemistry, and corrosion behaviour of a hybrid EN AW-5083 - ER2219 aluminium system produced by wire arc additive manufacturing	Revilla Reynier Corrosion behaviour of aluminium alloys designed exclusively for additive manufacturing: Ahsadd-CP1 and Ti-modified AA7075
	Session 5 Corrosion Iris de Graeve	Session 5 Corrosion Matthieu Boehm	Session 2 Additive manufacturing Xiaorong Zhou	Session 5 Corrosion Christine Blanc
10:30-10:50	Marques Maria Joao Atmospheric Corrosion Resistance of Marine Biomineralized Layers on Aluminium - Magnesium Alloy	Zanocco Matteo Corrosion behavior of 3xxx alloy in specific environments containing different concentration of commercial glycol	Furbino Marina Microstructural Analysis and Corrosion Behaviour of Wire Arc Additive Manufactured Aluminium ER5356 for Repair Applications	Chen Jinghui Effect of Fe and Mn contents on the trenching corrosion susceptibility of 6xxx aluminium alloys
10:50-11:10	Pan Jinshan Combining hard X-ray photoemission spectroscopy/electron microscope (HAXPES/HAXPEEM) to unveil chemical heterogeneity in surface oxide films formed on aluminium alloys	Zhu Lianghui The Influence of Cu Contents on the Corrosion Performance of Extruded Al-Mg-Si-Cu Alloys	Zapata Lopez Maria Camila Laser powder bed fusion (L-PBF) manufacturing of multi-material metal-ceramic hyperfrequency devices	Becker Johan In-situ real-time corrosion monitoring of an aluminium copper alloy under atmospheric marine field exposure conditions
11:10-11:30	coffee break	coffee break + posters		coffee break
	Session 5 Corrosion Iris de Graeve	Session 5 Corrosion Francesco Andreatta	Session 3 Electro. Surf. Treat. Julien Martin	Session 5 Corrosion Arjan Cornet
11:30-11:50	Lazaro-Nebreda Jaime Influence of iron on the mechanical performance and the corrosion response of extruded 6008 aluminium alloy	Peguet Lionel Enhancing the Corrosion Performance of Automotive Aluminum Body Sheet: Role of Grinding Induced Surface Reactivity and Optimization of Zn/Ti Conversion Coatings	Kure-Chu Song-Zhu Shochiku Tuning the Microstructure and Properties of Al2O3-MoO3-WO3-NiO Composite Films on Al Alloys through a Hybrid Anodizing Process	Halseid Malgorzata Chojak Industrial Insights into Filiform Corrosion: Can Recycled 6060 Alloys Meet Corrosion Requirements?
11:50-12:10	Wang Yi The effect of pre-aging on the intergranular corrosion susceptibility of Al-Mg-Si-Cu alloy	Karpe Erik Identifying air-formed oxides on cast Al-Si alloys by hard X-ray photoemission spectroscopy/electron microscope (HAXPES/HAXPEEM)	Xie Jinshuai Understanding the Growth Behavior of Al-W-Ni-O Based Composite Oxide	Kosari Ali Nanoscale Insights into Intermetallic-Driven Local Corrosion in Aerospace Aluminium Alloys
12:10-12:30	Milanese Léo Corrosion behaviour with and without an applied mechanical loading of an overhead cable after thermal ageing	Langklotz Ulrike Electrochemical investigations of the corrosion behavior of AA3xxx alloys in lithium ion battery electrolytes containing imide salts	Roche Jérôme Incorporation of silver/silver oxide particles in oxide coatings formed by plasma electrolytic oxidation on aluminum alloys	Peguet Lionel Corrosion Assessment of a Rapid Solidification Aluminium Alloys Through Combined Electrochemical Characterisation and Alternate-Immersion Testing
12:30-14:00	Lunch	Lunch + posters		Lunch
	Session 3 Electro Surf. Treat. Jinshan Pan	Session 3 Electro Surf. Treat. Hercílio G. De Melo	Session 6 Recycling Oliver Bauer	Session 3 Electro Surf. Treat. Junjie Wang
14:00-14:20	Jacoboni Alex Anodizing at Safran Landing Systems: Innovating sealings & understanding of mechanisms	Ferreira M.G.S. Anaphoretic Coatings with LDHs as novel surface treatments for aluminum alloys	Salvi Théo Optimal recycling of critical materials from ultimate waste	Ott Noémie Sustainable sealing strategies for porous anodic aluminum oxide layers on 6082 alloys: inorganic metal salts as PFAS free alternatives
14:20-14:40	Trossat Bastien Control of thermal degradation phenomena of anodic films on 2024-T3 aluminum alloy and improvement of their robustness under severe thermal loading	Zanella Caterina Microstructural Insights into Early-Stage Anodizing of Recycled Cast Aluminium Alloys	Nunomura Junji Anodic dissolution of Al-Cu and Al-Fe-Si alloys in EmimCl-AlCl3 electrolyte	De Graeve Iris Surface properties and electrochemical conversion of recycled AA6060 aluminium extrusion alloys
	Session 3 Electro Surf. Treat. Sungmo Moon	Session 3 Electro Surf. Treat. Lorenzo Fedrizzi	Session 8 History Laurent Arurault	Session 3 Electro Surf. Treat. Delphine Veys-Renaux
14:45-15:05	Veys-Renaux Delphine White anodized surfaces designed by bipolar pulsed signal : optimized procedure, process aspects, alloying effect	Malekhouyan Roya Influence of pretreated recycled Al alloy roughness on the formation and properties of an anodization layer	Brunet Magali Brief history of compounds based on zinc chromate and their uses in art and aeronautical industry	Olivier Marjorie Corrosion Response of TSA-Anodized AM7075-Ti Alloy: Influence of Additive Manufacturing Microstructure
15:05-15:25	Ott Noémie Effect of surface treatment on the anodizing of SLM-produced AlSi10Mg Al alloys	Moon Sungmo Coloring of Al and Ti Alloys by Plasma Electrolytic Oxidation	Schneider Ernst Michael An ancient designer piece of furniture with anodized aluminum parts - microstructure and electrochemical behavior	Nakajima Daiki Fabrication of heat-resistant anodic aluminum oxide and its application
15:25-15:45	Tissot Maxime Influence of Sulfuric Acid Anodizing Process on the Fatigue Behavior of 7010-T7451 Aluminum Alloy: An Experimental-Numerical Approach	Ostrovsky Ilya New Sustainable Technologies for Anodizing of Aluminium Alloys	Rémy Léa The Age of Precious Metal (1854-1886): A Brief History of the Earliest Applications of Chemical Aluminium	Ten Cate Mattij HOT AC Anodizing: A Dual-Mode Pretreatment Approach for High-Performance Aluminium Surfaces
15:50-16:15	coffee break	coffee break + posters		coffee break
	Session 4 Chemical Surf. Treat. Mario Ferreira - Marion Ely	Session 3 Electro Surf. Treat. Noémie Ott	Sessions 1 & 7 Oliver Bauer	Session 3 Electro Surf. Treat. (PEO) Marjorie Olivier
16:15-16:35	Andreatta Francesco Chemical and electrochemical post-processing of the as built surface of additively manufactured Al10SiMg alloy	De Melo Hercilio Gomes Enhancing the corrosion resistance of anodized AA2024-T3 through graphene oxide-modified hybrid sol-gel coatings	Shkirskiy Viacheslav Imaging and quantifying chemical crosslink between intermetallic particles in Al6061 alloy	Rodriguez Louis Micro-arc oxidation coatings on aluminium: role of surface state and relative humidity on tribological response with an alumina counterbody
16:35-16:55	Brune Veronika Impact and Challenges of Passivation Layer for Aluminium Rolled Products	Lepasant Dorian Understanding defect formation in anodized layer of 2024 alloy through microstructural analysis and electrochemical behavior	Raffin Maëlys Ingate Microstructure in Al7SiMg HPDC Castings: Intermetallics and Cold Flakes	Martin Julien Development of new ceramic-based composite coatings using cold-spray and plasma electrolytic oxidation methods
16:55-17:15	Watanabe Hironori Effect of pigments in coating film on heat-radiative properties and processing of pre-coated aluminum materials	Arurault Laurent Thinning of the barrier layer thickness of porous anodic films prepared on commercial aluminum alloys for the subsequent galvanostatic metal electrodeposition	Ali Elashery Effect of Fe/Mn ratio on the formation of intermetallics in AlSiMg foundry alloys	Friderici Isae Development of novel black coatings on aluminum alloys by micro-arc oxidation. Preliminary study and control of their characteristics and properties
17:15-17:35	Shulha Tatsiana Layered double hydroxide (LDH)-based conversion coatings on aluminum substrates: corrosion protection and adhesion properties			Conclusion (5-10 min.) Laurent Arurault
17:35-17:55	Shiple-Jones Mason Impact of TiZr pretreatment quality on adhesive bonding of AA5182 aluminium alloy automotive sheet	Walking tour of Toulouse city centre		
17:55-18:15	Renaud Alexis Investigating the key role of surface preparation on the performance of trivalent chromium conversion coatings	17:45-19:45		
18:15-19:45				
19:45-22:30		Banquet diner (Palais Consulaire)		