

## PROGRAM ASST 2018, 27-31 MAY 2018

<b>SUNDAY</b>							
Registration	16:30 - 19:30						
Welcome reception	17:30 - 19:30						
<b>MONDAY</b>		<b>TUESDAY</b>		<b>WEDNESDAY</b>		<b>THURSDAY</b>	
Registration	8:00 - 8:45	Registration	8:00 - 9:00	Registration	8:00 - 9:00	Registration	8:00 - 9:00
	Kronborg salen		Kronborg salen		Kronborg salen		Kronborg salen
Opening of the Symposium	8:45 - 9:00						
Plenary 1	9:00 - 9:45	Plenary 2	9:00 - 9:45	Plenary 3	9:00 - 9:45	Plenary 4	9:00 - 9:45
<b>Break</b>	<b>9:45 - 9:50</b>	<b>Break</b>	<b>9:45 - 9:50</b>	<b>Break</b>	<b>9:45 - 9:50</b>	<b>Break</b>	<b>9:45 - 9:50</b>
Session 1	Kronborg salen and Kronborg 8 9:50 - 10:10 10:10 - 10:30 10:30 - 10:50 10:50 - 11:10	Session 5	Kronborg salen and Kronborg 8 9:50 - 10:10 10:10 - 10:30 10:30 - 10:50 10:50 - 11:10	Session 9	Kronborg salen and Kronborg 8 9:50 - 10:10 10:10 - 10:30 10:30 - 10:50 10:50 - 11:10	Session 13	Kronborg salen and Kronborg 8 9:50 - 10:10 10:10 - 10:30 10:30 - 10:50 10:50 - 11:10
<b>Coffee break</b>	<b>11:10 - 11:30</b>	<b>Coffee break</b>	<b>11:10 - 11:30</b>	<b>Coffee break</b>	<b>11:10 - 11:30</b>	<b>Coffee break</b>	<b>11:10 - 11:30</b>
Session 2	Kronborg salen and Kronborg 8 11:30 - 11:50 11:50 - 12:10 12:10 - 12:30 12:30 - 12:50	Session 6	Kronborg salen and Kronborg 8 11:30 - 11:50 11:50 - 12:10 12:10 - 12:30 12:30 - 12:50	Session 10	Kronborg salen and Kronborg 8 11:30 - 11:50 11:50 - 12:10 12:10 - 12:30 12:30 - 12:50	Session 14	Kronborg salen 11:30 - 11:50 11:50 - 12:10 12:10 - 12:30 12:30 - 12:50
<b>Lunch</b>	<b>12:50 - 14:00</b>	<b>Lunch and poster session</b>	<b>12:50 - 14:30</b>	<b>Lunch</b>	<b>12:50 - 14:00</b>	Closing remarks	12:50 - 13:10
Keynote 1	Kronborg Salen 14:00 - 14:45	Keynote 2	Kronborg Salen 14:30 - 15:15	Keynote 3	Kronborg Salen 14:00 - 14:45	<b>Lunch and departure</b>	<b>13:10 - 14:10</b>
Session 3	Kronborg salen and Kronborg 8 14:50 - 15:10 15:10 - 15:30 15:30 - 15:50	Session 7	Kronborg salen and Kronborg 8 15:20 - 15:40 15:40 - 16:00	Session 11	Kronborg salen and Kronborg 8 14:50 - 15:10 15:10 - 15:30 15:30 - 15:50		
<b>Coffee break</b>	<b>15:50 - 16:15</b>	<b>Coffee break</b>	<b>15:50 - 16:20</b>	<b>Coffee break</b>	<b>15:50 - 16:15</b>		
Session 4	Kronborg salen and Kronborg 8 16:15 - 16:35 16:35 - 16:55	Session 8	Kronborg salen and Kronborg 8 16:20 - 16:40 16:40 - 17:00	Session 12	Kronborg salen and Kronborg 8 16:15 - 16:35 16:35 - 16:55 16:55 - 17:15		
				<b>Galla dinner</b>	<b>Kronborg Castle</b> <b>18:30 - 23:00</b>		

**MONDAY**

Monday 28th May: Room - Kronborg salen						
8:45 - 9:00	Symposium Opening: Rajan Ambat, Chariman - ASST 2018: Details of the Symposium, Programme, other Information, safety					
Plenary 1 - Kronborg salen						
9:00 - 9:45	Tony Hughes – CSIRO, Australia: Drilling Down into Corrosion initiation at the Nanoscale					
Kronborg salen				Kronborg 8		
Session Chairman: Iris De Greave and Johan M.M. de Kok				Session Chairman: Arjan Mol and Bernhard Kernig		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 1	Chemical Conversion Coating			Corrosion properties and performance		
9:50 - 10:10	104	Space hardware and REACH regulation	Asensio Zapata - Airbus, France	147	Study on the corrosion properties of a twin roll cast Al-Mn-Fe-Si aluminium alloy system	Donovan Verkens - VUB, Belgium
10:10 - 10:30	213	A Novel Organic Conversion Coating based on N-Benzoyl-N-Phenylhydroxylamine Chemistry for the Corrosion Protection of AA2024-T3	Rudolph G. Buchheit, Fontana Corrosion Center, Ohio State University, US	218	Towards Understanding of Localised Corrosion of AA6063-T5 Aluminium Alloy – A Correlative Study Using SKFPM and In-situ AFM	Cem Örnek - KTH, Sweden
10:30 - 10:50	210	Trivalent Chromium Conversion Coatings on 2xxx aluminium alloy intermetallic particles by 3D ToF-SIMS imaging	Rémi Viroulaud - IRT-M2P, France	206	Corrosion Resistance in chloride solution of the AlSi10Mg Alloy obtained by means of LPBF	Christian Testa - University of Bergamo, Italy
10:50 - 11:10	142	Correlation between electrochemical properties and morphology of conversion coatings on aluminium alloy	Quentin Boyer - CIRIMAT, France	176	Corrosion Penetration In Extruded Al-Mg-Si Alloy	Jan-Olov Nilsson - Hydro Aluminium
Break						
11:10 - 11:30						
Kronborg salen				Kronborg 8		
Session Chairman: Iris De Greave and Johan M.M. de Kok				Session Chairman: Arjan Mol and Bernhard Kernig		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 2	Chemical Conversion Coating			Corrosion properties and performance		
11:30 - 11:50	148	Influence of Copper on the Corrosion behavior of AA 2024 Aluminium Alloy coated with Trivalent Chromium Conversion Layer	Romain Saillard - CIRIMAT, France	110	Corrosion Protection for Additively Manufactures Aluminium Alloys	Jana Haag - Airbus, Germany
11:50 - 12:10	152	Trivalent chromium conversion coating on AA2024-T3 used in aeronautical and aerospace industry	Marisa Pereira - Faculdade de Ciências da Universidade de Lisboa, Portugal	162	Investigation of a Ce post-treatment step on the corrosion behaviour of clad AA2024 anodized in TSA	Hercilio Gomes de Melo - Escola Politécnica da Universidade de São Paulo, Brazil
12:10 - 12:30	159	The Effect of Etch Cleaning on Flat Rolled Aluminum Products: An Atomic Emission Spectroelectrochemistry (AESEC) Study	Thomas Beck - Novelis, Kennesaw, US	128	Additive manufactured aluminium alloys: study of their corrosion behavior	Reynier I. Revilla Castillo - VUB, Belgium
12:30 - 12:50	166	TEM characterisation of passive layers on AA2024 formed by leaching of lithium carbonate from an organic coating	Ali Kosari - TU Delft,	106	The influence of Quench Sensitivity on Intergranular Corrosion in Al-Mg-Si Alloy	Xiaorong Zhou - University of Manchester, UK
Lunch						
12:50 - 14:00						

Monday 28th May, Keynote 1 - Kronborg salen						
14:00 - 14:45		Mikhail Zheludkevich - Helmholtz-Zentrum Geesthacht (HZG): LDH-based surface treatments for active corrosion protection of Al Alloys				
Kronborg salen				Kronborg 8		
Session Chairman: Herman Terry and Otto Lunder				Session Chairman: Hiroki Habazaki and Kemal Nisancioglu		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 3		Chemical Conversion Coating			Corrosion properties and performance	
14:50 - 15:10	168	Impact and influence of the surface preparation on the CCC process parameters and performance, studied in relation with CrIII/Zr based chromate free conversion coatings	Martin Beneke - Airbus, Germany	137	Initiation and Propagation of Intergranular Corrosion on AA6005 Aluminium Alloy with Low Copper Content	Shilpa Kumari - NTNU
15:10 - 15:30	173	Growth mechanism of industrial Ti/Zr no-rinse sprayed conversion coating applied on automotive aluminium coils: preferential deposition on the intermetallic phases	Pieter Bouckenooog - VUB, Belgium	161	The Correlation Between Intergranular Corrosion Resistance and Copper Content in the Precipitate Microstructure in an AA6005 Aluminium Alloy	Otto Lunder - SINTEF, Norway
15:30 - 15:50	184	Effect of AA2024 aluminium alloy pretreatments on copper redeposition and formation of TCP layer studied by XPS and ToF-SIMS	Jolanta Swiatowska - CNRS, France	190	Self-repairing smart coatings with dual-functional microspheres	Dawei Zhang - University of Science and Technology Beijing, China
Break						
15:50 - 16:15						
Kronborg salen				kronborg 8		
Session Chairman: Herman Terry and Otto Lunder				Session Chairman: Hiroki Habazaki and Kemal Nisancioglu		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 4		Chemical Conversion Coating			Corrosion properties and performance	
16:15 - 16:35	112	Towards Cr(VI)-free pre-treatments of aluminium for metal-to metal bonding	Arjan Mol - TU Delft, Netherlands	203	Design of corrosion inhibitor systems for CFRP and Al-alloy containing multi-material joints.	Silvar Kallip - CICECO Aveiro Institute of Materials, Portugal
16:35 - 16:55	202	Influence of alumina thickness on formation of TCP layer on aluminium	Jolanta Swiatowska - CNRS, France	134	On the cathodic corrosion of Al, Al-Zn, and Al-Zn-Mg	Kevin Ogle - ENSCP / IRCP, France

## TUESDAY

Tuesday 29th May: Plenary 2 - Kronborg salen						
9:00 - 9:45		Kemal Nisancioglu - NTNU, Norway: Nanofilm Grain-Boundary Segregations in Intercrystalline Corrosion of Aluminium Alloys				
Kronborg 8			Kronborg salen			
Session Chairman: Lorenzo Fedrizzi and Maritza Paez			Session Chairman: Mikhail Zheludkevich and Sungmo Moon			
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 5	Corrosion properties and performance			Chemical conversion coating		
9:50 - 10:10	132	Effect of rectification and paint baking process on the filiform corrosion susceptibility of an A356 aluminium alloy	Matthew Goodall - University of Manchester, UK	182	Sodium molybdate as a promising corrosion inhibitor of aluminium in acidic solutions	Przemysław Kwolek - Rzeszow University of Technology, Department of Materials Science, Poland
10:10 - 10:30	146	Recycling variant of 6xxx alloy – will Cu level of 0.05 wt% affect filiform corrosion properties of powder coated profiles?	Malgorzata Halseid - Hydro Aluminium, Norway	129	Characterization and Performance of lithium leaching coating technology for the protection of aluminium alloys	Peter Visser - Delft University, Belgium
10:30 - 10:50	172	Electrochemistry as a tool for biological studies in biocorrosion	M.A.Páez - Universidad De Santiago De Chile	158	Probing the chemical interaction between organophosphorus based conversion coatings and aluminium oxide on a nanoscale level using AFM-IR	Francesca Cavezza - VUB, Belgium
10:50 - 11:10	217	Computational Studies of Micro-Galvanic Corrosion in Al-Alloys	Christofer Leygraf - KTH Royal Institute of Technology, Sweden	115	On the Microstructural and Electrochemical Nature of Hydrothermally Treated Al-Zr and Al-Ti Surfaces	Visweswara Chakravarthy Gudla - DTU, Denmark
Break						
11:10 - 11:30						
Kronborg 8			Kronborg salen			
Session Chairman: Lorenzo Fedrizzi and Maritza Paez			Session Chairman: Mikhail Zheludkevich and Sungmo Moon			
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
Session 6	Corrosion properties and performance - aerospace			Chemical conversion coating		
11:30 - 11:50	175	Galvanic corrosion modelling and validation for hybrid joints in aircraft	Theo Hack - Airbus Central Research & Technology, Germany	157	Electrochemically assisted pickling processes for use in aerospace	Yulia Valery Meteleva - Fokker Aerostructures B.V., Belgium
11:50 - 12:10	122	Corrosion Mechanisms of Aluminium alloys for Applications in Aviation and Automotive	Evangelos Stavrou - Swerea KIMAB, Sweden	169	The impact of intermetallic particles in AA5052 aluminium alloy on etching quality	Zelong Jin - University of Manchester, UK
12:10 - 12:30	180	Surface characteristics of industrial aluminium alloys depending on environmental conditions	Elisabeth Schwarzenböck - Airbus, Germany	216	Corrosion Inhibition of Aluminum Alloy AA6063-T5 by Vanadates – Microstructure Characterization and Confocal Raman Microscopy Study	Jinshan Pan - KTH, Sweden
12:30 - 12:50	144	Influence of metal cations concentration on corrosion of aluminum alloy in model fresh water	Masatoshi Sakairi - Hokkaido University, Japan			
Lunch and Poster Session						
12:50 - 14:30						

Tuesday 29th May: Keynote 2 - Kronborg salen						
14:30 - 15:15	John M.M. d Kok - Fokker Aerostructures B.V., The Netherlands: Advances of Cr(VI)-free anodizing development for structural adhesive bonding of aluminium for aircraft structures					
Kronborg 8			Kronborg salen			
Session Chairman: Xiaorong Zhou and Kathrin Eckhard			Session Chairman: Tony Hughes and Theo Hack			
	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>
Session 7	Corrosion properties and performance			PEO/Electrochemical Conversion Coating		
15:20 - 15:40	118	The role of hydrogen evolution during corrosion of aluminium alloys	Michele Curioni - University of Manchester, UK	116	Micro-arc generation behavior of Al alloys in various electrolytes	Sungmo Moon - Korea Institute of Materials Science, South Korea
15:40 - 16:00	123	The effect of quench rate on stress corrosion cracking in a low Cu Al-Zn-Mg alloy	Adrian Lervik - NTNU, Norway	215	Effect of Micro Arc Oxidation Process on Corrosion Behavior of 3003 Aluminum Alloy Produced by Twin-Roll Casting	Mert Gunyuz - Istanbul Technical University, Turkey
Break						
16:00 - 16:20						
Kronborg 8			Kronborg salen			
Session Chairman: Xiaorong Zhou and Kathrin Eckhard			Session Chairman: Tony Hughes and Theo Hack			
	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>
Session 8	Corrosion properties and performance			PEO/Electrochemical Conversion Coating		
16:20 - 16:40	138	pH dependence on the influence of acids on the pitting potential of aluminum in chloride solution	Yoshiyuki Oya - UACJ Corporation, Japan	165	Catalytic films on Aluminium supports generated by plasma electrolytic oxidation	Chaozhou Li - University of Manchester, UK
16:40 - 17:00	139	Electrochemical testing practices of environmentally-friendly aerospace coatings for corrosion performance assessment	Zoi Kefallinou - University of Manchester, UK	145	High Frequency Pulse Anodising of Low Grade Aluminium Alloys	Flemming Jensen - DTU, Denmark

# WEDNESDAY

Wednesday 30th May: Plenary 3 - Kronborg salen						
9:00 - 9:45		Geoff Scamans - Brunel University, UK: Aluminium Automotive Sheet: Who Cleans Wins				
Kronborg salen			Kronborg 8			
Session Chairman: Mario Ferreira and Jan Halvor			Session Chairman: Rudolph Buchheit and Roland Oltra			
Abstract no	Title	Presenter	Abstract no	Title	Presenter	
Session 9 Inorganic and organic coatings			Session 8 Electrochemical conversion coatings			
9:50 - 10:10	171	Localized corrosion on AA1050 occurring under thin sol-gel coatings exposed to (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> and NaCl solutions	Michele Fedel - University of Trento, Italy	126	Sealing of anodized aluminium by ZrO <sub>2</sub> nanoparticles for increased alkali resistance	Adrian Anthes - DECHEMA-Forschungsinstitut (DFI), Germany
10:10 - 10:30	214	Development of zinc ferrocyanide ion exchange compounds for corrosion-inhibiting and sensing pigments	Rudolph G. Buchheit, The Ohio State University, US	130	Pulse and Relaxation Phenomena in Anodizing Processes of Aluminum	Christoph Lämmel - Fraunhofer IKTS Dresden, Germany
10:30 - 10:50	121	Silane organic-inorganic thin film as tie layer for excellent adhesion between Al 6066 surface and UV curable organic coating	Sina Jamali - University of Wollongong, Australia	149	Effect of the film structure on white anodizing of aluminum using mixed acids	Junji Nunomura - UACJ Corporation, Japan
10:50 - 11:10	205	Advanced technology for anti-frost coating	Masaki Matsuzaki - Nipponpaint Surf Chemicals co.,Ltd, Japan	153	Porous anodic oxide film on aluminum using A.C. anodization process in alkaline solution for enhanced adhesion	Yoshihiko Kyo - UACJ Corporation, Japan
<b>Break</b>						
11:10 - 11:30						
Kronborg salen			Kronborg 8			
Session Chairman: Mario Ferreira and Jan Halvor			Session Chairman: Rudolph Buchheit and Roland Oltra			
Abstract no	Title	Presenter	Abstract no	Title	Presenter	
Session 10 Inorganic and organic coatings			Session 8 Electrochemical conversion coatings			
11:30 - 11:50	150	Effect of pigment volume concentration on the leaching behaviour of active corrosion inhibitor in a model aerospace primer	Ander Cervellera-Dominguez - University of Manchester, UK	127	Anodizing of additive manufactured aluminium alloys	Iris De Graeve - VUB, Belgium
11:50 - 12:10	156	New eco-friendly hybrid sol-gel coatings for replacement of Cr-based coatings in high and medium strength aluminium alloys for aeronautics and space applications	Cecilia Agustin Saenz - Tecnalia Research and Innovation, Spain	108	Comparison among the amounts of bound water in modified anodic aluminum-oxide films analyzed by GD-OES	Takumi Haruna - Kansai University, Japan
12:10 - 12:30	163	Investigation of corrosion sensing using pH indicating molecules as a route towards the development of novel functional additives	João Tedim - CICECO-University of Aveiro, Portugal	140	Study of anodizing process on aluminum foam to improve the corrosion behavior	Flavio Deflorian - University of Trento, Italy
12:30 - 12:50	117	In situ pathways to characterize buried interfaces of organic/inorganic hybrid systems under environmental conditions	Herman Terryn - Vrije Universiteit Brussel, Belgium	170	Effect of Surface Topography and Crystal Orientation of Aluminum on Nanostructure of Anodic Porous Alumina	Sachiko Ono - Kogakuin University, Japan
<b>Lunch</b>						
12:50 - 14:00						

**Wednesday 30th May: Keynote 3 - Kronborg salen**

14:00 - 14:45						
Ciao-Jun Jiang - Hydro Aluminium, Norway: Aluminium Solutions for the Automotive and HVAC&R Heat Exchanger Applications						
Kronborg salen				Kronborg 8		
Session Chairman: Laurant Arurault and Morten Jellesen				Session Chairman: Hiroki Habazaki and Kemal Nisancioglu		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
<b>Session 11</b>				<b>Aluminium Science and Tech, Characterization</b>		
<b>Aluminium Science and Tech, Characterization</b>				<b>Electrochemical conversion coatings</b>		
14:50 - 15:10	160	Optical Cleanliness Measurement Methods for Aluminium Sheet Surfaces	Junjie Wang - Innoval Technology Ltd, UK	192	Development of scratch-shielding oxide films on Al and Al alloy	Makoto Chiba - National Institute of Technology, Asahikawa College, Japan
15:10 - 15:30	193	Surface characterization of aluminum alloy 6063 by XPEEM, XPS, and XRR during heat treatment	Lisa Rullik - University of Lund, Sweden	200	Pulse anodizing of cast AISi alloys	Caterina Zanella - School of Engineering, Jönköping University, Sweden
15:30 - 15:50	179	Comparative Investigation of Alkaline and AC-Acid Etching Response of Aluminium Alloys	Bruno Burmas - Norwegian University of Science and Technology, Norway	136	Preparation of Ordered Porous Alumina Through-Hole Membranes by Two-Layer Anodization	Takashi Yanagishita - Tokyo Metropolitan University, Japan
<b>Break</b>						
15:50 - 16:15						
Kronborg salen				Kronborg 8		
Session Chairman: Laurant Arurault and Morten Jellesen				Session Chairman: Hiroki Habazaki and Kemal Nisancioglu		
	Abstract no	Title	Presenter	Abstract no	Title	Presenter
<b>Session 12</b>				<b>Aluminium Science and Tech, Characterization</b>		
<b>Aluminium Science and Tech, Characterization</b>				<b>Electrochemical Conversion Coating</b>		
16:15 - 16:35	195	An in situ study of the formation and tin deposition into nano porous ordered anodic aluminum oxide	Edvin Lundgren - Lund University, Sweden	103	Anodizing – Interplay between bath ageing and oxide formation and properties	Michael Schneider - Fraunhofer IKTS, Germany
16:35 - 16:55	188	Time-lapse X-ray Computed Nanotomography for the Investigation of Corrosion in AA2099 Aluminium Alloy	Yanwen Liu - University of Manchester, UK	120	Influential factors on the pore morphology of hard anodic films on AA 2024-T3	Jeanette Marcela Torrescano Alvarez - University of Manchester, UK
16:55 - 17:15	219	Electrodeposition of Zinc Nanoparticles in Anodic Aluminium Oxide from Deep Eutectic Solutions	Mario Ferreira - Campus Santiago, Portugal	194	Accurate evaluations of both porosity and tortuosity of the anodic films prepared on AA 1050, on rolled or machined AA 2024 T3	Laurent Arurault - CIRIMAT, France

# THURSDAY

Thursday 31st May: Plenary 4 - Kronborg salen						
9:00 - 9:45	Hiroyuki Habazaki - Hokkaido University, Japan: Design of Aluminium Surface for Liquid Repellency					
Kronborg salen			Kronborg 8			
Session Chairman: Geoff Scamans and Murat Dundar			Session Chairman: Rajan Ambat and Anne Deacon Juhl			
	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>
Session 13	Welding, Brazing and heat exchanger			Aluminium Science and Tech, Characterization		
9:50 - 10:10	174	Zinc-rich coatings for improved corrosion resistance of aluminium in chloride solution	Mariia Stepanova - Norwegian University of Science and Technology, Norway	109	A three-dimensionally micro-electrochemical approach of the intergranular corrosion propagation on AA2024	R. Oltra - CNRS – University of Burgundy, France
10:10 - 10:30	178	Surface activation of AA8xxx alloys for application in the HVAC&R field	Francesco Andreatta - University of Udine, Italy	181	A Step Towards Understanding of Preferential Grain Etching in Al-Mg-Si alloys	Alexander Lutz - VUB. Belgium
10:30 - 10:50	198	Recent developments in fluxless brazing of aluminium heat exchangers	Kathrin Eckhard - Hydro Aluminium Rolled Products, Germany	199	Microstructure evolution of shot-peened aluminium alloy AA7449 during deoxidizing treatment	Jennifer Onovbaramwen Usiobo - University of Manchester, UK
10:50 - 11:10	113	Corrosion behavior of the AA2198-T851 and its friction stir weldment	Uyime Donatus - Instituto de Pesquisas Energéticas e Nucleares, Brazil			
<b>Break</b>						
11:10 - 11:30						
Kronborg salen			Kronborg 8			
Session Chairman: Geoff Scamans and Murat Dundar			Session Chairman: Rajan Ambat and Anne Deacon Juhl			
	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>	<i>Abstract no</i>	<i>Title</i>	<i>Presenter</i>
Session 14	Welding, Brazing and heat exchanger			Aluminium Science and Tech, Characterization		
11:30 - 11:50	131	The Interface between Aluminium and Steel Joined by Cold Metal Transfer – A Transmission Electron Microscopy Study	Tina Bergh - NTNU, Norway			
11:50 - 12:10	187	Multifunctional coatings for aluminium brazing applications	Dagmar Steiner - Hydro Extruded Solutions, Denmark			
12:10 - 12:30	185	Microstructural and in-depth electrochemical characterization of Zn diffusion layers on AA3xxx alloy	Alex Lanzutti - University of Udine, Italy			
12:30 - 12:50	177	Inner corrosion of Herringbone Inner Grooved embossed aluminium tubes	Giorgio Giovanni Battista Zaffaroni - DTU, Denmark			
<b>Kronborg salen</b>						
12:50 - 13:00	Conference closing remarks					
<b>Lunch</b>						
13:00 - 14:00						