



Technical Program

Tuesday 11 September, 2018 (8:40am – 5:00pm)

Creating a Competitive Advantage

Session Chair: Ivan Grasis, AIMS

8:40 am	Welcome	Ivan Grasis (AIMS)
8:50 am	Conference Opening	Tony Dragicevich (Capral)
9:10 am	Australian Aluminium in a Global Context	Miles Prosser (Australian Aluminium Council)
9:35 am	Opportunities for the Extrusion Industry	Mark Easton (RMIT)

10:00 - 10:30 am Morning Tea

Equipment and Process Innovations

Session Chair: Richard Michael, Capral

10:30 am	Pioneers in Mining and Metals	Ed Ryott (Rio Tinto)
10:45 am	The Design and Benefits of a Thermally Stable Container	Paul Robbins (Castool Tooling Systems)
11:10 am	Low Maintenance Press Design	Alessandro Guerrini (Turla)
11:35 am	The Function and Benefits of Dummy Block Design	Ken Chien (Castool Tooling Systems)
12:00 pm	The Ever-Growing Use of Electrical Power Versus Hydraulics in Extrusion Lines	Giovanni Sacristani (OMAV)

12:25 pm Group Photo

12:30 – 1:30 pm Lunch

Session Chair: Scott Rogers, Hydro

1:30 pm	Aluminum in the US Market	Richard Dickson (Hydro Aluminium)
1:45 pm	Process Lubricant Optimisation for Aluminium Extrusion	Jim Dyla (AMCOL)
2:10 pm	How Press Exit Temperature Relates to What is Happening in the Die	Chris Jowett (Rio Tinto)
2:35 pm	Liquid Nitrogen Experience Using 6060, 6063 & 6005A Alloys	Hanif Hamzah (Press Metal Berhad)

3:00 – 3:30 pm Afternoon Tea

Session Chair: Garry Martin, Alba

3:30 pm	Current and Future Strategic Operations	Khalid A. Latif (Alba)
3:45 pm	Effects of Manual Polishing on Die Bearings	Richard Dickson (Hydro Aluminium)
4:10 pm	Latest Technology in Packaging of Aluminium Profiles	Raffaele D'Andrea (Emmebi)
4:35 pm	Baseless Packaging System for Aluminium Extrusions	Damir Merdovic (Capral)



Technical Program

Wednesday 12 September, 2018 (9:00am – 4:45pm)

Efficiency Management

Session Chair: Damir Merdovic, Capral

9:00 am	If Amazon was Interested in Aluminium Extrusion	Raffaele D'Andrea (Emmebi)
9:25 am	Boosting Overall Equipment Effectiveness (OEE)	Markus Dobler (MCE)
9:50 am	Securing Profit Through Reliable and High Productivity Machines	Alessandro Guerrini (Turla)

10:15 - 10:45 am

Morning Tea

Billet Alloy Design

Session Chair: Barbara Rinderer, Consulting in Partnership

10:45 am	Development of 6XXX Series Special Alloy Aiming for Superior Extrudability	Ram Sandipam Adhikary (Vedanta)
11:10 am	Modeling the Effect of Manganese on the Mechanical Properties, Grain Structure and Extrudability of High Strength 6082 Alloys	Richard Dickson (Hydro Aluminium)
11:35 am	Aluminium Extruded Products for Transport Applications	Garry Martin (consultant to Alba)
12:00 pm	Al-Mg-Si Billets with High Extrudability – State of the Art and Beyond	Scott Rogers (Hydro Aluminium)

12:25 – 1:30 pm

Lunch

Finishing Operations

Session Chair: Xinquan Zhang, Rio Tinto

1:30 pm	Optical and Microstructural Origins of Thermomechanical Striking Defects in AA6060 Extrusions	Steven Babaniaris (Deakin University)
1:55 pm	Mechanical Finishes - Different Ways to Treat Aluminium Profiles	Raffaele D'Andrea (Emmebi)
2:20 pm	Metallurgical Assessment of "Acid Etch" as an Anodising Pretreatment	Jerome Fourmann (Rio Tinto)
2:45 pm	Pimple Defects on Powder-Coated Aluminium Extrusions	Christopher East (Queensland University of Technology)

3:10 – 3:40 pm

Afternoon Tea

Session Chair: Barbara Rinderer, Consulting in Partnership

3:40 pm	Benefits of Neutralising Electrical Fields Surrounding the Powder Application Zone	Roberto Casati (ATE Srl) Bill Wyllie (AAF)
4:05 pm	The Evolution of Vertical Powder Coating	Alberto Formenti (SAT)
4:30 pm	Wrap-up	