

**3rd International Conference on Anode Rodding Plants  
for Primary Aluminium Smelters  
Reykjavik 21-23 May 2005**

**3<sup>rd</sup> Conference May 2005**

**Opening Ceremony (Tuesday 21<sup>st</sup>, 8:30)**

**Chairman: Sveinn Thorgrimsson, Ministry of Industry and Commerce**

- **Keynote Presentation**

**Jeff Keniry, Alumination Consulting Pty. Economic implications for Rodding Rooms – Case study: Rodding Process improvement at Dubal.**

- **Session 1. Modern Rodding Plants (Tuesday 21<sup>st</sup>, 10:50)**

**Chairman: Ingolfur Thorbjornsson, IceTec**

1. Paul Gravel and Emmanuel Bergeron, Alcan Alma. Alcan Alma new Anode Rodding Shop – Start-up and early operation.
2. Diane D. Martin and Robert W. Roy, Alcoa. Applying Lean Manufacturing Concepts to Anode Rodding.
3. Jean Bigot, Alcan Aluval. Optimisation of Rodding Shop Design and Operation.

- **Session 2. Anode Butts and Rods Transportation, Cleaning and Recycling (Tuesday 21<sup>st</sup>, 13:30)**

**Chairman: Ingvar Palsson, Alcan Iceland.**

1. Sveinn Snæland, Nordural. Changing Challenges of Handling Four of Five Products from Spent Anodes.
2. Jon H Magnusson and Baldur Hannesson, Altech and Hannesson ehf. Automatic Stem Plane Machine and Modern Anode Rodding Plants.
3. Ashwin Gulzar, Hillside Aluminium. Optimisation through Automation and Controls.

- **Session 3. Optimal Assembly of Anodes and Rods (Wednesday 22<sup>nd</sup>, 8:30)**

**Chairman: Birgir Johannesson, IceTec**

1. Stefán Thor Ragnarsson, Alcan Iceland. Rod maintenance for minimization of voltage drop.
2. Barry Woodrow, Stimir. Graphite coating of anode rod stubs.
3. Jean Jacques Grunspan, Brochot. The baked anode slot cutting machine.

- **Session 4. The Magic of Cast Iron (Wednesday 22<sup>nd</sup>, 10:30)**

**Chairman: Sveinn Snæland, Nordural.**

1. Jon Thor Thorgrimsson, Malmsteypa Thorgrims Jonssonar. Cast Iron in the Rodding Shop.
2. Rudolf Schwarz, Wilfried Schmitz and Frank Donsbach, Otto Junker. Reliable and Energy Efficient Induction Melting.
3. Eiríkur Bragason, Reykjavík Energy. Heat and Power with Geothermal Energy.

- **Session 5. Increasing Productivity (Wednesday 22<sup>nd</sup>, 13:00)**

**Chairman: Tómas Már Sigurdsson, Alcoa Fjarðaál.**

1. Barry Welch, University of New South Wales. Increasing Amperage.
2. Marcus Meier, Werner K. Fischer and Theo Muller, R&D Carbon. Influence of Anode Quality on Aluminium Production Cost.
3. Albert Albertsson, Hitaveita Sudurnesja. The Svartsengi Resource Park.

- **Session 6. Industry Trends (Thursday 23<sup>rd</sup>, 8:30)**

**Chairman: Rannveig Rist, Alcan Iceland.**

1. Abdulmunim S. S. Bin Brek, Dubal. Dubal's development through the 25 years.
2. Willy E. Kristensen, Nordural. Moving towards zero Anode Effect Frequency while achieving First Class KPI.
3. Eiríkur S. Svavarsson, Landsvirkjun. Electricity and Primary Aluminium in Iceland – Present development and outlook.