

**7th International Conference on Electrodes and Support Services
for Primary Aluminium Smelters
Reykjavik 25-27 April 2017**

Tuesday 25th April

8:00 Registration opens, Hilton Nordica Hotel

8:30 – 9:30 Opening Ceremony

Chairman: Gudrun A Sævarsdóttir, Reykjavik University

Keynote Presentation

Halvor Kvande, Professor Emeritus, Norwegian University of Science and Technology

How to minimize the carbon footprint of aluminium smelters

9:30 – 10:30 Coffee break in exhibition hall

10:30 – 12:00 SESSION 1. MODERN ANODE SERVICE PLANTS

Chairman: Julius Brynjarsson, Alcoa Fjarðaal

1. Mark Dorreen, Light Metals Research Centre, University of Auckland. **“When Culture and Technology Collide – Western Experiences in Chinese smelters.”**
2. Gunnar Ari Guðmundsson. RioTinto Iceland. **“Machine for automatic marking of the insertion height on anode stems”**
3. William Berends, AluCellTech Inc. **“Recent developments in the use of nails in anode and cathode assemblies to reduce electrical resistance and to improve current distribution.”**

12:00 – 13:00 Lunch in exhibition hall

13:00-14:30 SESSION 2. ANODE BUTTS, -RODS AND -COVER MATERIAL

Chairman: Audur Freyja Kjartansdóttir, RioTinto Iceland

1. Edouard Mofor, Ali Jasim, Daniel Whitfield, Shane Polle, Jamil Jamal, Emirates Global Aluminium. **“Impact of anode top cover composition on anode butt quality.”**
2. Tony Hudson, Outotec. **Bath processing to achieve best quality anode cover.**
3. Ingólfur T. Helgason, Alcoa Fjarðaal. **Improved aluminum welding procedure for stems.**
4. Jérémy Neveu, Fives Solios. **“Anode Inert Tray, a New Way for Anode Butts Emissions Reduction.”**

14:30 – 14:50 Coffee break in exhibition hall

14:50-16:00 SESSION 3. INDUSTRY TRENDS

Chairman: Pétur Ottesen, Century Aluminum Nordural

1. William Berends, AluCellTech Inc. **“The use of nickel plating on anode stems to reduce electrical resistance and clamp voltage drop”**
2. Karl Ágúst Matthíasson, DTE. **Portable element analyzer for aluminium.**
3. Jon H. Magnusson, Metaltech. **Challenges in quality control and repair of anode rods for energy saving in aluminium smelters**

Reception

16:00-17:00 Hilton Nordica Hotel, conference exhibition hall.

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Wednesday 26th April

8:30 – 10:00 SESSION 4. ANODE DEVELOPMENT

Chairman: Finnur Marinó Flosason, Century Aluminum Nordural

1. Francis-Joé Lavergne, Alcoa. **“Advantages and disadvantages of using Chinese anodes for the aluminum production.”**
2. MZAS, Sales and Marketing Dept. **“Chinese 3rd party anode to world smelters”**
3. Benoît Deville-Duc, Trimet. **“Improving Anode quality at TRIMET Sain-Jean-de-Maurienne”**
4. Robert Quak. Century Aluminum, Vlissingen. **“From Zalco to Century Phoenix project – Life after death”**

10:00 – 10:30 Coffee break in exhibition hall

10:30 – 11:30 SESSION 5. CATHODE DEVELOPMENT

Chairman: Smári Kristinsson, Alcoa Fjarðal.

1. Rene von Kaenel, Louis Bugnion, Jacques Antille and Laure von Kaenel, KAN-NAK Ltd **“Copper bars for the Hall-Heroult process”**
2. Dmitry Nekrashevich, Elkem. **“Experience with cathode ramming paste based on an environmentally friendly binder system”**

11:30 – 12:30 Lunch in exhibition hall

12:30 – 14:00 SESSION 6. ENERGY AND ENVIRONMENTAL PERSPECTIVES

Chairman: Gunnar Gunnarsson, RioTinto Iceland.

1. Geoff Matthews, EnPot. **“Transforming the way electricity is consumed during the aluminium smelting process.”**
2. Gudrun A Saevarsdottir. Reykjavik University. **“Impurities in the electrolyte, the effect on current efficiency in alumina reduction.”**
3. Ari Jónasson. RioTinto Iceland. **“The search for environmentally friendly collar paste.”**

Technical visit

14:15 Buses leave Hilton Nordica Hotel for technical visit to Century Aluminum Nordural

Reception

17:00-18:00 Buses leave Hilton Nordica Hotel 17:00 for a visit to Flora, Laugardalur, Reykjavik

Thursday 27th April

Technical visit

**10:00 Buses leave Hilton Nordica Hotel for technical visit to RioTinto Iceland
Lunch en-route at Hlið, Álftanes**