



## Tuesday, June 16th, 2009

- 9.00 – 10.45**     **Registration**
- 10.45 – 11.00**     **Welcome / Introduction**  
**Dr. Rolf Deipenwisch**  
Aluminium-Verlag M&K GmbH  
Düsseldorf/GERMANY

### Session A

- Opening presentations**  
**Chair:** Dr. Rolf Deipenwisch
- 11.00 – 12.00**     **New opportunities for Al microchannel heat exchangers**  
**Prof. Dr. Pega Hrnjak**  
University of Illinois  
Urbana, IL, USA
- 12.00 – 13.00**     **Design for Manufacturing of Aluminum Compact Heat Exchangers**  
**Prof. Dr. Dusan Sekulic**  
University of Kentucky  
Lexington, KY, USA
- 13.00 – 14.00**     **Lunch**
- 14.00 – 14.45**     **Fundamental of Aluminium Brazing Technology**  
**Dr. Hans-W. Swidersky**  
Solvay Fluor GmbH  
Hannover, GERMANY

### Session B

- Materials and Applications**  
**Chair:** Holger König
- 14.45 – 15.15**     **MCHX optimization process in line with Thermodynamic and Manufacturing Requirements for HVAC Applications**  
**Dr. Franz Summerer**  
Güntner AG & Co. KG  
Fürstenfeldbruck, GERMANY

- 15.15 – 15.45**     **Coffee**
- 15.45 – 16.15**     **Comparison of the Transient Behaviour of Microchannel and Fin-and-Tube Evaporators**  
**Gunda Mader**  
Danfoss A/S  
Nordborg, DENMARK
- 16.15 - 17.00**     **Starting new controlled atmosphere brazing (CAB) production - Basic Principles**  
**Dr. Leszek Orman**  
Solvay Fluor GmbH  
Hannover, GERMANY

At 17.30 (-22.30) Evening Social Event

## Wednesday, June 17th, 2009

- continued with Session B  
**Materials and Applications**  
**Chair:** Dr. Raimund Sicking
- 08.30 – 09.00**     **Hydro All-Aluminium Concept for the HVAC&R Market**  
**Dr. Jan Halvor Nordlien**  
Hydro aluminium as  
Håvik, NORWAY
- 09.00 – 09.30**     **Developments in Aluminium Products Suitable for Brazed HVAC&R Applications**  
**Alan Gray**  
Innoval Technology Limited  
Oxon, UNITED KINGDOM

- 09.30 – 10.00**     **Materials and Coatings for extruded HEX components**  
**Ivan Serdarusic**  
Erbslöh Aluminium GmbH  
Velbert, GERMANY
- 10.00 – 10.30**     **Corrosion performance & testing of CAB aluminium heat-exchanger – samples for HVAC&R**  
**Stefan Norgren**  
Sapa Technology  
Finspang, SWEDEN
- 10.30 – 11.00**     **Coffee**
- 11.00 – 11.30**     **Comparisons of Al/Si, Zn/Al, Zn/Al/Si alloys for joining of Aluminium**  
**Creed Darling**  
Lucas-Milhaupt, Inc  
Cudahy, WI, USA
- 11.30 – 12.00**     **HYBRAZ<sup>®/TM</sup> Coatings – Precoated Aluminium Products for Brazed Heat exchanger**  
**Dr. Hartmut Janssen**  
Hydro Aluminium  
Deutschland GmbH  
Bonn, GERMANY
- 12.00 – 12.30**     **Welded Aluminium tubes for all applications**  
**Ulrich Purkart**  
Sapa Heat Transfer Tube GmbH  
Remscheid, GERMANY
- 12.30 – 13.30**     **Lunch**

### Session C

- Equipment**  
**Chair:** Dr. Hans-W. Swidersky
- 13.30 – 14.00**     **Assembly equipment for micro channel heat exchangers**  
**Nick Bellwood**  
The Fin Machine Company Ltd  
Durham, UNITED KINGDOM
- 14.00 – 14.30**     **CAB equipment for HVAC&R Industry**  
**Piotr Skarbinski**  
SECO/WARWICK S.A.  
Swiebodzin, POLAND
- 14.30 - 15.00**     **Brazing of aluminium with flame or induction**  
**Wolfgang Baumann**  
VerMoTec GmbH  
St. Ingbert, GERMANY
- 15.00 - 15.30**     **Coffee**
- 15.30 - 16.00**     **Introduction and exploitation aspects of CAB line on hex manufacturing plant**  
**Slawomir Wozniak**  
SECO/WARWICK S.A.  
Swiebodzin, POLAND

### Session D

- Testing and Design**  
**Chair:** Dr. Hans-W. Swidersky
- 16.00 – 16.30**     **Test Methods and quality procedure for MCHX used in HVAC Industry**  
**Astrid Thalhammer / Holger König**  
Güntner AG & Co. KG  
Fürstenfeldbruck, GERMANY
- 16.30 – 16.45**     **Closing Remarks**
- 16.45 – 17.15**     **Coffee - End**

Increased energy efficiency and more stringent environmental requirements are currently the greatest challenges facing the heating, ventilation, air conditioning and refrigeration (HVAC&R) industry. Having said that, however, the industry is profiting from the growing demand for air conditioning units worldwide.

In the light of this, Aluminium-Verlag is organising the 1st International Congress „Aluminium Brazing Technologies for HVAC&R“. The congress is a continuation of Aluminium-Verlag’s long-established and successful series of international congresses covering aluminium brazing.

This congress will provide speakers and participants with an opportunity to meet and exchange ideas and experiences with colleagues, customers and suppliers involved in this field.

An exhibition of participating companies running in parallel with the congress will help further contacts.

The Congress language will be English.