



7th International Congress Aluminium Brazing



Organiser:

DVS – Deutscher Verband für Schweißen
und verwandte Verfahren e. V. (German Welding Society)



The International Aluminium Brazing Congress,

which is now being held for the seventh time, will be organised by DVS - Deutscher Verband für Schweißen und verwandte Verfahren e. V. (German Welding Society) and will take place from 22 - 24 May 2012 in Düsseldorf/Germany.

The congress location is the Radisson Blu Scandinavia Hotel.

Leading specialists and authorities from the sector, well known experts from industry and research and other important decision makers from this field will further promote surface technology by means of presentations, comments and technical discussion.

The congress language is English.

The congress will, of course, also deliberately provide numerous opportunities to establish or strengthen business relationships, establish personal contacts and expand networks.

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

08.30 – 10.30 **Registration**

10.30 – 10.45 **Welcome / Introduction**

Session A – Opening Presentations

10.45 – 11.30 **Trends in joining technology production, value added and employment by joining**

Dr. Klaus Middeldorf

DVS – Deutscher Verband für Schweißen
und verwandte Verfahren e.V.
Düsseldorf/Germany

Session B – Materials

Chair: Dr. Raimund Sicking

11.30 – 12.00 **Recent trends in material developments for automotive heat exchangers**

Alan Gray

Innoval Technology Ltd.
Banbury/United Kingdom

12.00 – 12.30 **New clad fin material with high post braze strength and excellent sagging resistance**

Annika Carlsson

Sapa Technology
Finspang/Sweden

12.30 – 13.30 **Lunch**

13.30 – 14.00 **Next generation HYBRAZ™ coated products**

Dagmar Steiner¹,

Dr. Jan Halvor Nordlien², Jeffrey Insalaco³
Hydro Aluminium PTTC Løgumkloster/Denmark¹
Hydro Aluminium PTTC Karmoy/Norway²
Hydro Aluminium Precision Tubing NA, Rockledge,
FL/USA³

14.00 – 14.30 **Material requirements for heat exchanger applications**

Dr. Gerhard Hanko, Andreas Hajek
AMAG rolling GmbH
Ranshofen/Austria

14.30 – 15.00 **Coffee**

15.00 – 15.30 **Industrial coating application from MPE Tubes**

Peter Wöstmann

Hymmen Industrieanlagen GmbH
Bielefeld/Germany

15.30 – 16.00 **Hydro multiclاد materials**

Dr. Hartmut Janssen¹, Dr. Volker Saß¹,
Dr. Raimund Sicking², Manfred Mrotzek³

Hydro Aluminium Rolled Products GmbH,
R&D Bonn/Germany¹
Hydro Aluminium Rolled Products GmbH,
Grevenbroich/Germany²
Hydro Aluminium Rolled Products GmbH,
Hamburg/Germany³

Session C – Applications

Chair: Dr. Raimund Sicking

16.00 – 16.30 **Brazing of aluminium to stainless steel by various methods**

Bob Ward, David Warrington

TMCC The Metals Consultancy Company Ltd.
Leeds/United Kingdom

Session D – Equipment

Chair: Alan Gray

09.30 – 10.00 **Flame brazing machinery – a transition from Themis to PP-Tech completed**

Pavel Prochazka, PP-Tech, s.r.o.
Roznov/Czech Republic

10.00 – 10.30 **Low volume CAB furnaces by SECO/WARWICK**

Andrzej Bielewicz, Piotr Skarbinski
SECO/WARWICK S.A.
Swiebodzin/Poland

10.30 – 11.00 **Coffee**

Session E – Process and Quality Control

Chair: Dr. Doug Hawksworth

11.00 – 11.30 **New bench for corrosion test by exhaust gas condensates on low pressure aluminum brazed EGR, and ACAC**

Jose Garcia Zaldivar
VALEO Engine Cooling
La Verrière/France

11.30 – 12.00 **Sustainable influence on process capability and overall equipment effectiveness**

Ansgar Tasche
Schoeler Spezialmaschinenbau GmbH
Pansdorf/Germany

12.00 – 12.30 **Tube alloy development for global sourcing**

Dr. Jan Halvor Nordlien¹, Dr. Arvid Espedal²,
Ole Daaland¹, Hydro Aluminium Precision Tubing
Technology Centre, Karmoy/Norway¹
Hydro Aluminium Precision Tubing Technology
Centre, Logumkloster/Denmark²

12.30 – 13.30 **Lunch**

Session F – Research and Development (Part I)

Chair: Dr. Hans-W. Swidersky

13.30 – 14.00 **Brazing and corrosion performance considerations of pre-coated MPE for brazed heat exchangers**

Antonio Baldantoni
Sapa HE Tubing
Louisville, KY/USA

14.00 – 14.30 **An innovative surface nano-technology in the CAB-process**

Peter Englert
Behr GmbH & Co. KG
Stuttgart/Germany

14.30 – 15.00 **Selective pre-fluxing with adhesives – fashion or progress paint fluxing – pros and cons**

Dr. Orman Leszek
Solvay Fluor GmbH
Hannover/Germany

15.00 – 15.30 **A corrosion study of brazed aluminium heat exchangers after field service**

Marja Melander
Sapa Technology, Finspang/Sweden
Ralph Woods
Consultant to Sapa Technology, Pleasanton, CA/USA

15.30 – 16.00 **Coffee**

18.00 (-22.30) **Social Evening Event**

Session F – Research and Development (Part II)

Chair: Dr. Hans-W. Swidersky

09.30 – 10.00 **Approach for Al brazing with nano filler metals**

Dr. Matthias Türpe
Behr GmbH & Co. KG
Stuttgart/Germany

10.00 – 10.30 **Correlation between atmospheric conditions and brazeability of aluminium using different surface activation methods**

Prof. Dr. Uwe Füssel
TU Dresden
Dresden/Germany

10.30 – 11.00 **Coffee**

Session G – Testing

Chair: Dr. Rainer Mittelstädt

11.00 – 11.30 **Investigation of the interaction between aluminum materials brazed with non-corrosive flux and coolant additive technologies**

Dr. Serge Lievens
Chevron Belgium nv, Gent/Belgium
Dr. Placido Garcia-Juan
Solvay Special Chemicals
Bad Hönningen/Germany

11.30 – 12.00 **Exhaust condensate – corrosivity of selected constituents on brazed aluminum**

Thomas Feldhege, Dr. Katja Müller,
Dr. Sophie Wörner
Modine Europe GmbH
Filderstadt/Germany

12.00 – 12.30 **Waterside corrosion protection in brazed heat exchangers: mechanisms, test methods and recent improvement in performance**

Dr. Herve Ribes, Dr. Andreas Afseth
Constellium
Biesheim/France

12.30 – 13.00 **Closing Remarks**

13.00 – 14.00 **Lunch**

Registration and further information

Registration should be made in writing by returning the completed registration form to:

DVS - Deutscher Verband für Schweißen
und verwandte Verfahren e.V.
Aachener Straße 172, 40223 Düsseldorf/Germany
phone +49 (0)211 1591 157 • fax +49 (0)211 1591 300

You can also use the online registration
www.dvs-ev.de/aluminium-brazing
(only possible until 15 May 2012)

Contact person:
Ms Christiane Czech christiane.czech@dvs-hg.de

Registration fee for the congress (free of VAT)

DVS-Members EUR 600

Non-Members EUR 800

The fee includes congress documentation and any meals, refreshments and receptions indicated in the programme.

Cancellation

Cancellation received in writing before 20 April 2012 will be subject to an administration charge of EUR 100.
No refund will be issued after 20 April 2012.

Of course a substitute can be nominated (please contact the registration desk onsite).

Payment

Registrants will be sent a confirmation, together with an invoice for the registration fee, upon receipt of the completed registration form by DVS.

Note: The number of participants is limited. Registrations will be dealt with in the order in which they are received.

Accommodation

Accommodation is available at the congress hotel, Radisson Blu Scandinavia Hotel. Reservations, cancellations and possible changes should be made directly with the respective hotel before 5 April 2012, mentioning "Aluminium Brazing" when booking. Please use the hotel reservation form.

Hotel

Radisson Blu Scandinavian Hotel, Düsseldorf
The central location of this first-class hotel is apparent from its close proximity to the central station (3 km) and airport (5 km), as well as to the city centre (3 km).

The hotel also offers spacious and comfortable rooms.

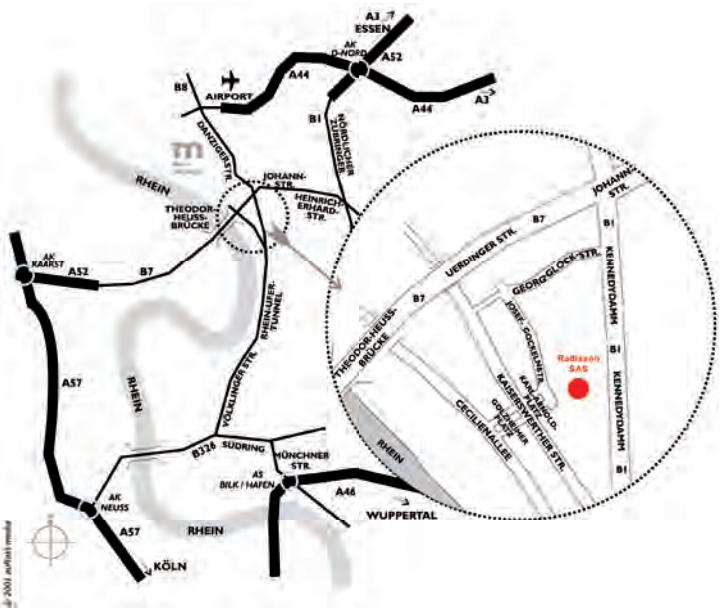
Price for single room:	EUR 115
Price for double room:	EUR 130
(incl. breakfast buffet, pool and fitness room with sauna; free use of WLAN)	

Note: We reserve the right to make changes without prior notice.



Route Description

Radisson Blu Scandinavia Hotel
 Karl-Arnold-Platz 5
 40474 Düsseldorf/Germany
 phone +49 (0)211 45 53 - 35 00



REGISTRATION FORM

Exhibition

Fax +49 (0)211 1591- 300

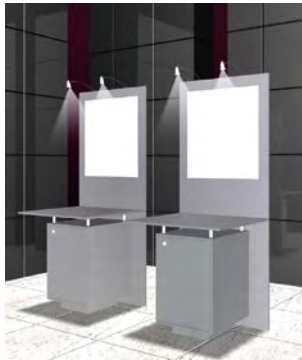
Online www.dvs-ev.de/aluminium-brazing

7th International Congress Aluminium Brazing, 22 - 24 May 2012

EXHIBITION:

Herewith we book the following space for the Exhibition:

Exhibition space with platform unit(s) at **EUR 750*** each, plus 19% VAT



Exhibition space without platform unit(s) at **EUR 500*** each, plus 19% VAT

* including stand personnel – limited to one person per company

**Note: Since the exhibition space is unfortunately very limited we recommend you to book early.
The bookings will be handled on a first come, first served basis.**

surname first name

title

company/address

phone fax

internet e-mail

I wish to pay by

Money transfer upon receipt of invoice

Master Card

Visa

Card-No. _____

valid until _____

CVV No. ___

Date

Signature

REGISTRATION FORM
Participation

Fax +49 (0)211 1591- 300
Online www.dvs-ev.de/aluminium-brazing



DVS – Deutscher Verband
für Schweißen und
verwandte Verfahren e.V.
Aachener Straße 172
40223 Düsseldorf/Germany
fax +49 (0) 211 1591-300
christiane.czech@dvs-hg.de

7th International Congress
Aluminium Brazing, 22 - 24 May 2012

Registration:

I would like to register definitively for the above congress
DVS-Members EUR 600 / Non-Members EUR 850 (free of VAT)
Please use one registration form for each registrant!

surname first name

membership-no. DVS

title

company/address

phone fax

internet e-mail

I wish to pay by

Money transfer upon receipt of invoice

Master Card

Visa

Card-No. _____

valid until _____

CVV No. ___

Date Signature

Your way to Radisson SAS

From the North:

- A 52 becomes "Nördlicher Zubringer"
- at the motorway-end turn right (direction Mönchengladbach/Neuss)
- on the B7 go straight (Heinrich- Erhard- Straße / Johannstraße) till underpass
- stay in right lane (not into the underpass!) direction Hafen/ Innenstadt
- at the 1. traffic light turn left into Kennedydamm (90° bend)
- turn directly the 1. street right into Georg- Glock-Straße
- 1. street left into Josef- Gockeln- Straße
- We are on the left hand side after 400 m

From the West/ from the South:

- A 57 until Autobahnkreuz Kaarst
- there take A 52 direction Düsseldorf
- A 52 becomes B7 over the rhinebridge (follow sign Flughafen - Airport)
- after the Rhinebridge turn 1. opportunity right direction Innenstadt (not into the tunnel!)
- turn directly right into Kennedydamm
- turn the 1. street right into Georg- Glock- Straße
- 1. street left into Josef- Gockeln- Straße
- We are on the left hand side after 400 m

From the East:

- A46 take exit Bilk/Hafen
- take the left lane and turn left into Südring
- turn right direction Messe/Flughafen (Völklinger Straße)
- drive through the Rheinufer-Tunnel and go on straight (Cecielienallee)
- turn right at Golzheimer Platz
- cross Kaiserswerther Straße
- You will find us opposite

Public Transportation:

Take Metro U78 or U79 with the direction Messe/ Duisburg. The station "Golzheimer Platz" is directly in front of the hotel.

Distances:

- Fair ground and CCD: 5 minutes
- Airport Düsseldorf: 10 minutes
- Central Railway station: 10 minutes

We wish you a pleasant journey !

ROUTE DESCRIPTION

Radisson SAS
Hotels & Resorts
Karl-Arnold-Platz 5
40474 Düsseldorf
Deutschland / Germany
Phone : +49 (0)211 4553-0
Fax: +49 (0)211 4553-110
Email: info.dusseldorf@RadissonSAS.com
<http://www.radissonsas.com>

