



GERMAN WELDING  
SOCIETY



# LÖT 2022

13<sup>th</sup> International Conference on Brazing,  
High Temperature Brazing and Diffusion Bonding

June 21 – 23, 2022

Eurogress Aachen, Aachen/Germany

[www.dvs-ev.de/loet2022](http://www.dvs-ev.de/loet2022)

# Consumable Materials for the Repair and Manufacture of Turbine Components



## Diversified Suite of Product Offerings

### Sintered Products



### Component Details



### Powder Materials



### Wires



### Vapor / Coating Materials



### Protection Masks



## Vapor Coatings

### 2 Tooling, Cans, Supports



### Precision Masking, Powders, Slurry



### Cr Al Co Powders, Nuggets



### Internal Slurries, Local Tapes



## Braze Products

### Products for every Application

- Extensive Inventory of Nickel & Cobalt Powders
- Pastes, Paints
- Flexible Tapes for joining and restoration
- 2D Sintered Preforms
- 3D Sintered Preforms machined to precision tolerances
- Airfoil, Static and complex surfaces
- Braze Repair Development

## Go-to-Market

### Manufactured Products:

- Proprietary Component Repair Materials (Diffusion Braze and Vapor Phase Coatings)
- Aero-Engine Parts (Aftermarket and OEM New Component Details)
- Protective Masking Products

### Market Focused Distributor:

- Specialty Protective Coating Materials (Powders, Wires, and Consumable Materials)

### Integrated Supply Services:

- On-site Material Management and Product Development

We provide full bill of materials for aero & land turbine manufacturers and repair stations. Braze powders, pastes and tapes, plasma spray powders, vapor phase coating materials and weld wire are all products we handle. In addition we manufacture presintered preforms for diffusion brazing and masking products for part protection during plasma spray, grit blast and shot peening operations.



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Program is subject to change without notice.

Photo (Cover): BrazeCoat® of large components in the plastics industry  
(Listemann Technology AG, LI)

# INVITATION

## LÖT 2022

### 13<sup>th</sup> International Conference on Brazing, High Temperature Brazing and Diffusion Bonding

The 13<sup>th</sup> International Conference on Brazing, High Temperature Brazing and Diffusion Bonding will take place in Aachen from June 21 to 23, 2022. This conference is one of the world's leading events in this field. It brings together scientists, engineers and technical personnel from around the world who are involved in research, development and application of joining technology.

The world has changed dramatically since the last conference. Even in times of a global pandemic, the technical developments are progressing. In the companies, digitization has advanced, business processes have been optimized and customer relationships were strengthened. Brazing, High Temperature Brazing and Diffusion Bonding are complex technologies that have to be continuously developed. They are based on current research results, applicable standards and guidelines as well as adapted training measures.

Brazing technology in particular offers manufacturers a multitude of interesting and economical solutions for joining materials and products. A special level of knowledge is also required for the application of these joining processes, which results from the application-oriented exchange of information between practice and science.



The objectives of the conference are:

- Presentation of technical solutions for modern applications
- Transfer of scientific results into operational practice
- Information about the latest trends and technological developments
- Presentation of fields of application for new materials
- Establishing or intensifying contacts between users and researchers

For this reason, we are now inviting you to the International Conference on Brazing, High Temperature Brazing and Diffusion Bonding for the thirteenth time.

It is a great pleasure for us inviting all specialists and interested experts to LÖT 2022 to inform about latest developments and trends and additionally to compare the latest findings in international dialogues.

Already today we know: LÖT 2022 will be a conference highlight in this year.

We would be pleased to see you in Aachen.

**Dr.-Ing. Roland Boecking**  
General Manager DVS

**Prof. Dr.-Ing. Kirsten Bobzin**  
Conference Chairman

# MEETINGS

June 20, 2022

17:00 - 18:00

**Programmkommission LÖT 2022**

Raum Tagungs-Treff

18:00 - 19:00

**Mitgliederversammlung der Fachgesellschaft Löten**

Raum Tagungs-Treff

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June 23, 2022

14:30 - 17:30

**IIW Commission XVII “Brazing, soldering  
and diffusion joining”**

Conference room



# SPONSORS OF THE LÖT 2022

DVS – German Welding Society would like to thank the following sponsors for their support of LÖT 2022:



AIM MRO Holdings, INC., Miamiville/  
United States of America



voestalpine Böhler Welding Fontargen  
GmbH, Eisenberg/Germany



Are you interested? Additional sponsors are welcome.  
Please contact: [tagungen@dvs-hg.de](mailto:tagungen@dvs-hg.de)

# SUPPORTING PARTNERS



## CONFERENCE PROGRAM

The complete conference program of LÖT 2022 you can find on:

[www.dvs-ev.de/loet2022](http://www.dvs-ev.de/loet2022)

## POSTER SESSION

During the conference a poster session will be held in the Berlin Saal. The contributions to the poster session will be published in the conference proceedings (volume 381 of the DVS report series). The presenters of the posters will be available for discussion at the times mentioned in the conference program. In addition, further contacts with the presenters can be arranged.

The complete poster session program see: [www.dvs-ev.de/loet2022](http://www.dvs-ev.de/loet2022)



# TABLETOP EXHIBITION

Concurrent with the 13<sup>th</sup> International Conference on Brazing, High Temperature Brazing and Diffusion Bonding the following exhibitors are presented:

## Exhibitors

- Aalberts Surface Technologies Eindhoven B.V., Eindhoven, The Netherlands
- AIM MRO Holdings LLC., Miami, United States of America
- Aimtek Inc., Auburn, United States of America
- EUROMAT GmbH, Baesweiler, Germany
- GH Induction Atmospheres, Rochester, United States of America
- GTD Graphit Technologie GmbH, Langgöns, Germany
- H.J. Wirth GmbH, Eisingen, Germany
- HEMO GmbH, Ötisheim, Germany
- Höganäs GmbH, Düsseldorf, Germany
- iew Induktive Erwärmungsanlagen GmbH, Gumpoldskirchen, Austria
- IHI Machinery and Furnace Co. Ltd., Tokyo, Japan
- Innobraise GmbH, Esslingen, Germany
- Johnson Matthey + Brandenberger AG, Zürich, Switzerland
- LINBRAZE S.R.L., Sommatino, Italy
- Listemann Technology AG, Bendern, Liechtenstein
- LOT-TEK GmbH, Erlangen, Germany
- Lucas Milhaupt, Cudahy, United States of America
- MAT-TECH B.V., Son, The Netherlands
- Metglas Inc., Conway, United States of America
- Morgan Advanced Materials Wesgo Ceramics GmbH, Erlangen, Germany
- PVA Industrial Vacuum Systems GmbH, Wettenberg, Germany
- REUTER TECHNOLOGIE GmbH, Alzenau, Germany
- SAFECHEM Europe GmbH, Düsseldorf, Germany
- SAXONIA Technical Materials GmbH, Hanau, Germany
- VACUUMSCHMELZE GmbH & Co. KG, Hanau, Germany
- VBC Group, Loughborough, Great Britain
- voestalpine Böhler Welding Fontargen GmbH, Eisenberg, Germany

Status: May 25, 2022

# INFORMATION

## Notice from the Organizer (Status: May 2022)

Most restrictions concerning conferences and exhibitions in Germany have been removed. There is no obligation of wearing a FFP2-mask in interiors, but we recommend wearing a mask. Please inform yourself about the current determinations concerning the Coronavirus before your stay in Germany.

## Conference Location

Eurogress Aachen  
Monheimsallee 48  
52062 Aachen, Germany

## Registration

All details for the registration and prices can be find at [www.dvs-ev.de/loet2022](http://www.dvs-ev.de/loet2022)

## E-mail or Fax

Send your complete registration form to  
DVS – German Welding Society  
Conference Department  
P.O. Box 10 19 65  
40010 Düsseldorf, Germany  
P +49 211 1591-302/-303, F +49 211 1591-300  
[tagungen@dvs-hg.de](mailto:tagungen@dvs-hg.de)

## Online

You can also use the online registration: [www.dvs-ev.de/loet2022](http://www.dvs-ev.de/loet2022)  
(will be closed by June 12, 2022)

If your registration form has not been received by DVS by June 1, 2022, you will pay a late registration fee of EUR 100. This applies also to on-site registration.

A registration confirmation/invoice will be sent to you within 7 business days of receiving your registration.

## Payment

By bank transfer:

DVS – German Welding Society

Deutsche Bank AG, Düsseldorf

BIC-Code: DEUTDEDDXXX

IBAN-Code: DE96 3007 0010 0155 6844 00

Any bank charges which may be incurred will be borne by the attendees. Keyword for credit transfer (please do not forget): LÖT 2022, no. of invoice and name of attendee.

## By credit card:

MasterCard, Visa, American Express (all are accepted)

## Cancellations

All cancellations must be in writing to DVS by June 1, 2022. Cancellations after June 1, 2022 cost EUR 150 for administrative fee. No refunds will be given for cancellations made after June 8, 2022. A substitute can be nominated.

## Registration Desk and Check-In / On-site Registration

Registered attendees should check-in and pick up their conference tickets and the conference proceedings as soon as possible at the registration desk. The registration desk will be located in the foyer of the Eurogress Aachen, (P +49 211 1591 302/-303). Opening hours for the registration desk are as follows:

Monday, June 20, 2022	15:30 - 17:30
Tuesday, June 21, 2022	8:00 - 17:00
Wednesday, June 22, 2022	8:00 - 17:00
Thursday, June 23, 2022	8:00 - 14:00

## Conference Information

The conference will take place as a **discussion event**. The names of the presenters are followed by an **asterisk**. The language of the conference is **English**.

## Pitch Presentations

As part of the technical program, we offer tabletop exhibitors the opportunity to make a pitch presentation. In this short presentation, the company's products or technical solutions are introduced.

## **Conference Proceedings USB stick (with abstract book)**

The conference proceedings USB stick will be published in advance with all illustrations and tables and is included with the registration (see registration form).

## **Welcome Reception**

Tuesday, June 21, 2022, 18:00 in the Tabletop Exhibition area.

All attendees are invited by DVS for a snack and drinks.

## **Awards Presentations**

Since 2010 the Erich Lugscheider Award is granted every 3 years at the LÖT conference. With this award distinguished persons in the field of brazing are honored for rendering outstanding services for the international interconnectedness of brazing and soldering technology and the exchange of knowledge as promoted by Professor Erich Lugscheider.

At the suggestion of the program committee the DVS – German Welding Society has launched a promotional scheme for one of the best contributions. The successful contribution will be chosen by a neutral prize committee, which will include members of the program committee.

This year the DVS is giving an award for the best poster at the LÖT 2022. By Wednesday evening (16:00) all attendees are asked to tick the poster presentation they think is the best one on their voting paper (enclosed in your conference documents). The presentation with the best design and realization of the topic will be honored with an award on Thursday at 13:00 after the last session.

## **List of Attendees**

All attendees having registered before June 1, 2022 will be entered into a list of attendees. This list will be distributed free of charge during the conference.

## **Event Sponsoring**

An excellent opportunity for your company image.

Are you interested in broadening your company's image and in supporting LÖT 2022?

We invite you to become a sponsor.

- Increase your visibility during the Conference and the Tabletop Exhibition
- Expand your competitive advantage
- Strengthen and build relationships with existing and potential costumers
- Exclusive and traditional sponsoring available



Sponsoring opportunities online:  
[www.dvs-ev.de/loet2022/sponsoring](https://www.dvs-ev.de/loet2022/sponsoring)  
or contact [tagungen@dvs-hg.de](mailto:tagungen@dvs-hg.de)

## VISA

Attendees are requested to check with the German consulate in their home country or with their travel agency for visa requirements. It is the responsibility of the attendee to obtain a visa in advance.

If you need an invitation letter, please contact [tagungen@dvs-hg.de](mailto:tagungen@dvs-hg.de)

## Hotel Reservation

Hotel reservations can be made online

<https://www.aachen-convention.de/loet2022>

or contact:

aachen tourist service e.V.

P +49 241 18029-18

F +49 241 18029-30

[info@aachen-convention.de](mailto:info@aachen-convention.de)

## Parking Area

There are a lot of parking spaces in the underground car park of the Eurogress.

Charges: max. EUR 12 daily

## Travel Connections

### Train:

Due to its excellent connection to the public transportation network including IC/EC, ICE and Thalys tracks, Aachen is easily accessible from each European destination.

Aachen is accessible by train:

- From Brussels in 2 hours
- From Paris in 3,5 hours
- From London in 5 hours

Also there are good connections between Düsseldorf - Aachen and Cologne - Aachen.

### **Car:**

The navigational system will find the Eurogress Aachen using the following address: Monheimsallee 48, 52062 Aachen.

The following freeways directly lead to Aachen:

From Cologne – Düsseldorf – Liège:

A4 (E40) "Aachener Kreuz": follow A544, exit "Europaplatz" (freeway ends here), leave the traffic circle towards city center

From the Netherlands:

A4 (E40) exit "Aachen Zentrum", turn right towards city center

### **Plane:**

Airport Köln/Bonn, 85 km - [www.koeln-bonn-airport.de](http://www.koeln-bonn-airport.de)

Airport Düsseldorf, 90 km - [www.duesseldorf-international.de](http://www.duesseldorf-international.de)



# PRESENTING AUTHORS, POSTER PRESENTERS, SESSION CHAIRMEN

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\*Conference Chair

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