There is growing interest from academia and industry in high-temperature shape memory alloys, as these represent a fascinating field both from a basic science and an application point of view. Recent literature demonstrates that substantial progress has been made since the first conference exclusively devoted to this topic. In fact, some of the materials developed lately, are already very attractive in terms of microstructural stability, reversible transformation strain and price of the constituents. Yet, the field is still rapidly evolving and the impact of new concepts such as high entropy alloys is not even clear yet. Thus, there is again a need to bring together the leading experts in order to advance the field and to bridge the gap "From Basics to Applications".

The 2nd Conference on High Temperature Shape Memory Alloys will provide a setting for all those interested in basic aspects and applications of high temperature shape alloys. There will be ample time to exchange ideas and discuss the latest research. The conference is expected to shed new light on the different aspects of the processing-microstructure-property relationships, characterisation, testing, and modelling and last but not least on applications of high temperature shape memory alloys.

General Information

Venue
Kloster Irsee
Klosterring 4
87660 Irsee (Bavaria, near Munich/Germany)
T +49 (0)8341/906-630
hotel@kloster-irsee.de
www.kloster-irsee.de

Accommodation
A contingency of hotel rooms has been reserved at the hotel of Kloster Irsee.

Conference Language
The official congress language will be English.

Conference Office
Deutsche Gesellschaft für Materialkunde e.V. (DGM)/
German Materials Society
c/o INVENTUM GmbH
Marie-Curie-Straße 11-13
53757 Sankt Augustin (Germany)
htsmas@dgm.de

Conference Website
https://htsmas2018.dgm.de

Call for Abstracts
The organizing committee welcomes abstract submissions for oral or poster presentations. Abstracts are to be submitted by November 17, 2017 at the latest through the conference website. All abstracts will be checked for conformance with the scope of the conference, and will undergo technical review. A condition for submission is that accepted papers will be presented at the conference by one of the authors. Especially young scientists are encouraged to actively contribute to the conference by submitting an abstract.

Poster Award
The organizing committee will award a prize for the best poster presented at the conference.

Topics & Call for Abstracts

The topics of the conference will include:

- Constitution and Alloy Development
- Processing
- Characterization and Testing
- Functional and Structural Degradation
- Modeling
- Applications

The Scope

In collaboration with:

Hans J. Maier
Institut für Werkstoffkunde (Materials Science),
Leibniz Universität Hannover
Conference Chair

1st HTSMAS 2015: Wildbad Kreuth (Bavaria, Germany)

HTSMAs 2018
2nd International Conference on
High Temperature Shape Memory Alloys
From Basics to Applications
15 - 18 May 2018
Kloster Irsee, Irsee (Germany)

In collaboration with:

Leibniz Universität Hannover

https://htsmas2018.dgm.de
Organizing Committee

Ralf Drautz, Ruhr-Universität Bochum (Germany)
Gunther Eggeler, Ruhr-Universität Bochum (Germany)
Jan Frenzel, Ruhr-Universität Bochum (Germany)
Alfred Ludwig, Ruhr-Universität Bochum (Germany)
Hans Jürgen Maier, Leibniz Universität Hannover (Germany)
Thomas Niendorf, Universität Paderborn (Germany)
Jutta Rogal, Ruhr-Universität Bochum (Germany)
Wolfgang Schmahl, Ludwig-Maximilians-Universität München (Germany)
Christoph Somsen, Ruhr-Universität Bochum (Germany)

Conference Fees

Young Researchers up to 30 years
DGM-members* 260 EUR
DGM-basic members 300 EUR
Non-members 340 EUR

Expert Researchers 31 - 40 years
DGM-members* 480 EUR
DGM-basic members 520 EUR
Non-members 560 EUR

Professionals University
DGM-members* 660 EUR
DGM-basic members 700 EUR
Non-members 740 EUR

Industry
DGM-members* 870 EUR
DGM-basic members 910 EUR
Non-members 950 EUR

* Deutsche Gesellschaft für Materialkunde e.V. (DGM)/German Materials Society

Benefit from a DGM-Membership!

Join the DGM-Network of Experts in the Field of Materials Science and Engineering

For your reseach - For your career - For your networking

Deutsche Gesellschaft für Materialkunde e.V. (DGM)/German Materials Society, founded in 1919, is the largest scientific and technical society in the field of materials science and engineering in Germany!

DGM represents the interests of its members ensuring a continuous development in the field of materials science and engineering with regard to content, structure and human resources.

Furthermore, individual members coming from university and industry, companies and universities belong to DGM membership.

The DGM yearly organises more than 40 continuous training courses with 600 participants. Over 2300 persons attend the annual DGM conferences and more than 2500 experts actively participate in 70 technical and working committees of the DGM. Therefore, the German Materials Society mainly contributes to the transfer of knowledge, the continuous exchange and the networking in the field of materials science and engineering.

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About the Kloster Irsee

Today, the tradition-steeped abbey complex of the former Imperial Abbey of Irsee houses the Irsee Monastery Swabian Conference and Educational Centre. Since it was opened in 1981, the centre has acquired – including at international level – a respected name for itself as an event centre among the guests from the fields of business, politics and science, associations, art and culture.

The abbey is located in the foothills of the Alps, the small, idyllic market town of Irsee offers a favourable starting point for walks, hikes and trips into historic Swabia or into the Allgäu with its mountains, castles and lakes.

Enjoy the unique atmosphere of Irsee Monastery.

www.kloster-irsee.de