

TOFA²⁰²⁰

17th DISCUSSION MEETING on Thermodynamics of Alloys



Max-Planck-Institut
für Eisenforschung



2020

28 SEPT–02 OCT

Kloster Banz | Germany
Educational Center

Welcome note

Dear colleagues and friends,

The 17th Discussion Meeting on Thermodynamics of Alloys (TOFA 2020) will provide an international forum for the worldwide community to meet, present and discuss fundamental and practical aspects of the thermodynamics of alloys.

Following the traditional scheme, TOFA 2020 will be a single-session conference comprised of invited lectures, oral presentations, a high-profile poster session and sufficient time and opportunities for discussions. The conference provides a place where early stage researchers and experienced colleagues, experimentalists and theoreticians (including people from the CALPHAD community), as well as scientists focusing on fundamental questions and those working on application-related topics come together.

TOFA 2020 will continue the long-established series of biennial discussion meetings on thermodynamics that had started already more than 30 years ago in Vienna. After the preceding TOFA meetings 2016 in Brazil and 2018 in South Korea, the conference comes back to Europe and TOFA 2020 will take place at the Educational Center Kloster Banz near Bad Staffelstein and Bamberg, Germany. The cloister is situated in a remote place above the valley of the river Main. As a well-known educational center, it is an ideal place for conferences with its good infrastructure and relaxing atmosphere. In addition, being situated in the central part of Germany, it is easily accessible from Nuremberg, Munich and Frankfurt airports.

We are looking forward to welcoming you at TOFA 2020 in Kloster Banz,

Frank Stein and Martin Palm
Meeting chairs of the TOFA 2020

History of TOFA meetings

1 st Meeting:	Vienna, Austria, 1988	10 th Meeting:	Beijing, China, 2006
2 nd Meeting:	Sant Feliu de Guixols – Barcelona, Spain, 1990	11 th Meeting:	Krakow, Poland, 2008
3 rd Meeting:	Nancy, France, 1992	12 th Meeting:	Porto, Portugal, 2010
4 th Meeting:	S. Margherita Ligure – Genoa, Italy, 1994	13 th Meeting:	Pula, Croatia, 2012
5 th Meeting:	Marseille, France, 1996	14 th Meeting:	Brno, Czech Republic, 2014
6 th Meeting:	Kiel, Germany, 1998	15 th Meeting:	Santos, Brazil, 2016
7 th Meeting:	Stockholm, Sweden, 2000	16 th Meeting:	Seoul, Republic of Korea, 2018
8 th Meeting:	Roma, Italy, 2002	17 th Meeting:	Bad Staffelstein, Germany, 2020
9 th Meeting:	Vienna, Austria, 2004		

Topics

Topics include, but are not limited to:

- Experimental and theoretical thermodynamics – new results and techniques
- Computational thermodynamics
- Thermodynamic properties derived from *ab initio* calculations
- Phase diagrams
- Phase transformations and kinetics, solid state diffusion
- Thermodynamics of low-dimensional systems (surfaces and interfaces, nanomaterials)
- Thermochemistry of metallurgical processes
- Process simulation using thermodynamics
- Industrial applications of thermodynamics

School on determination of thermodynamic data

A school intended for students and young postdocs is planned dealing with the determination of thermodynamic data. The school will take place on Monday, 28 September, and is free of charge. The number of participants is limited and places will be filled on a first come-first serve basis.

Committees

Meeting chairs

Frank Stein (Germany)
Martin Palm (Germany)

Local organising committee

Hans Jürgen Seifert (Germany)
Sergiy V. Divinski (Germany)
Suzana G. Fries (Germany)
Stephanie Lippmann (Germany)
Frank Stein (Germany)
Martin Palm (Germany)

International advisory board

Alan Dinsdale (United Kingdom)
Ales Kroupa (Czech Republic)
André Costa e Silva (Brazil)
Andy Watson (United Kingdom)
Armando Fernández Guillermet (Argentina)
Boguslav Onderka (Poland)
Byeong-Joo Lee (Republic of Korea)
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Gabriele Cacciamani (Italy)
Gabriella Borzone (Italy)
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Herbert Ipser (Austria)
Ikuo Ohnuma (Japan)
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Jean-Marc Joubert (France)
Joonho Lee (Republic of Korea)
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Nathalie Dupin (France)
Olga Fabrichnaya (Germany)
Philip Nash (USA)
Rada Novakovic (Italy)
Raymundo Arroyave (USA)
Simona Delsante (Italy)
Suzana G. Fries (Germany)
Tetsuo Mohri (Japan)
Toshihiro Tanaka (Japan)
Wu Ping (Singapore)
Yong Du (China)

General information

Venue

Educational Center Kloster Banz
Hanns-Seidel-Stiftung e. V.
96231 Bad Staffelstein, Germany
www.klosterbanz.de

Date

28 September – 02 October 2020

Conference website

www.tofa2020.de

Abstract submission, registration, etc.

Information about abstract submission and registration as well as more details can be found on the conference website www.tofa2020.de soon.

Deadline for abstract submission: 23 April 2020

Organiser and industrial exhibition

Conventus Congressmanagement & Marketing GmbH
Julian Unger/Anja Kreutzmann
Phone +49 3641 31 16-330/-357
julian.unger@conventus.de • anja.kreutzmann@conventus.de

The conference will be accompanied by an industrial exhibition. For further information, please contact Conventus.

Excursion to Bamberg

Schedule

- 02:00 PM Guided city tour
and Bamberg Cathedral
- 04:30 PM Culinary tour
almost millennial brewing tradition
„Bamberger Hörnla“
„Zwiebeltreter“
- 06:30 PM Dinner at „Brauerei Klosterbräu“
directly in the heart of the city
oldest brewery of Bamberg
first documentary mention as brewery 1333

