Third International Conference on High Entropy Materials

ICHEM 2020

27 September - 1 October 2020

Berlin, Germany

The Local Organizing Committee welcomes all participants to the ICHEM 2020 (Third International Conference on High Entropy Materials).

Bayreuth, September 2020

The Organizing Committee will spare no effort to ensure that you will enjoy the next days in Berlin, of course by ensuring all necessary hygienic standards of today. Additional instructions regarding Corona virus affecting this conference will be provided throughout the conference.

We hope that everybody will experience a very good conference with stimulating meetings and discussions. The initial response (before Corona) was overwhelming with more than 200 contributions from over 21 countries. Unfortunately, the Corona pandemic changed this considerably. Due to travel restrictions, participants are mostly from Europe. Nevertheless, I think, we are able to present a rich program of high quality.

The concept is to have a meeting in the vital city of Berlin with its vibrant cultural life. We do our best to prepare an interesting and enjoyable on-site and social program and we hope that the ICHEM 2020 will help to strengthen the communication and relationships between materials researchers in the field of high entropy materials.

A conference like this requires the dedicated efforts of many people and I would like to thank all of them. Also, I would like to thank the International Scientific Committee of ICHEM 2020, who were very insightfully with respect to the very special circumstances in organizing this event.

I would like to acknowledge financial support by the Deutsche Forschungsgemeinschaft (DFG) and our industrial sponsors Netzsch, Nanoval, TCA (Taiwan) and HEMC (Taiwan). This support helps a lot to organize an attractive program.

With this, I wish all participants fruitful and enjoyable days in Berlin. The ICHEM 2020 staff and all members of the Local Organizing Committee will help you in case you need assistance.

With best regards

Prof. Dr.-Ing. Uwe Glatzel

Conference Chairperson

Prof. Dr.-Ing. Uwe Glatzel
(Metals and Alloys, Univ. Bayreuth, Germany)

Local Organizing Committee

Easo P. George (ORNL, USA)
Uwe Glatzel (Univ. Bayreuth, Germany)
Michael Feuerbacher (FZ Jülich, Germany)
Anna Manzoni (BAM Berlin, Germany)
Dierk Raabe (MPIE Düsseldorf, Germany)

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Oleg N. Senkov (AFRL, USA)
Wei-Hua Wang (CAS, China)
Jien-Wei Yeh (Nat. Tsing Hua
Yong Zhang (USTB, China)

Venue

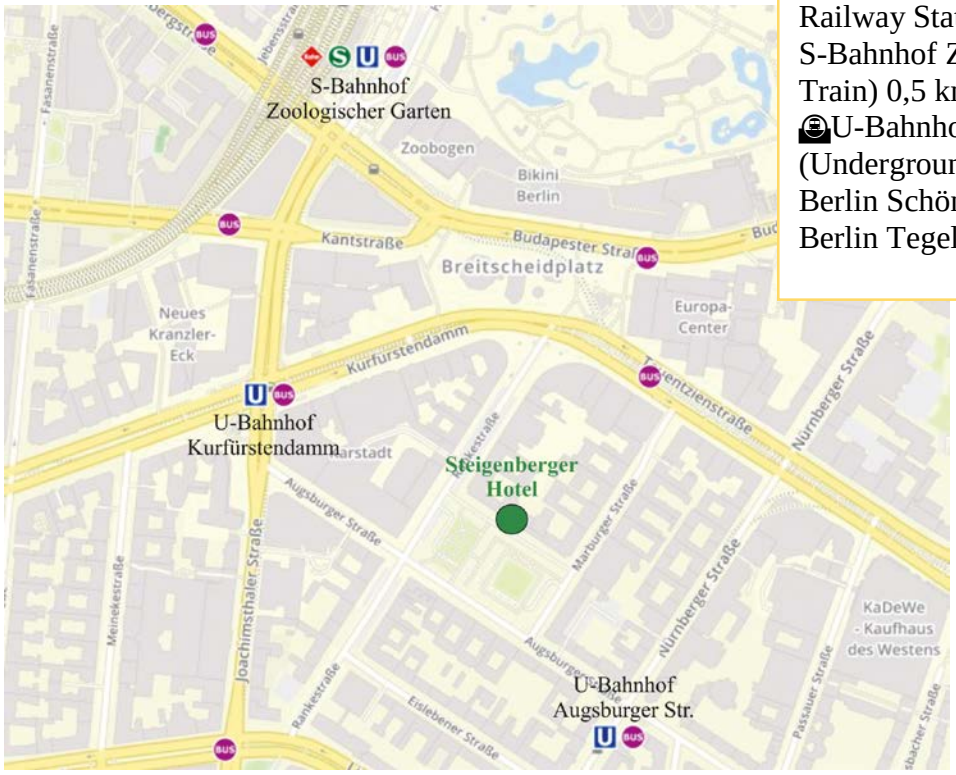
The Third International Conference on High Entropy Materials takes place at the Steigenberger Hotel Berlin.

It is located nearby the Gedächtniskirche and Bahnhof Zoo.

Steigenberger Hotel Berlin
Los-Angeles-Platz 1
10789 Berlin
Germany

Tel.: +49 (0)30 21 27 -702
Fax: +49 (0)30 21 27-799

Check In: after 15:00
Check Out: until 12:00 (noon)



Berlin Hauptbahnhof (Central Railway Station) 4 km
S-Bahnhof Zoologischer Garten (City Train) 0,5 km
U-Bahnhof Augsburger Straße (Underground) 0,3 km
Berlin Schönefeld 23 km
Berlin Tegel 9 km

Keynotes

Prof. Dr.-Ing. Dierk Raabe

Max-Planck-Institut für Eisenforschung, Germany

Thermodynamics and symmetry effects in high entropy alloys

Dr.-Ing. Christian H. Liebscher

Max-Planck-Institut für Eisenforschung, Germany

Precipitation at twin boundaries and reverse phase transformation in high-entropy alloys studied by in situ STEM/HRTEM

Prof. Dr. Werner Skrotzki

Technical University Dresden

Characteristics of the FCC to HCP phase transformation in CrMnFeCoNi high-entropy alloy

Dr. M. Jean-Philippe Couzinié

Université Paris Est Creteil, France

Mechanical properties and underlying deformation mechanisms of a BCC+B2 refractory complex concentrated alloy // Thermally-activated deformation of the HfNbTaTiZr solid solution: a multi-scale study

Social Program on Sunday, 27 September 2020

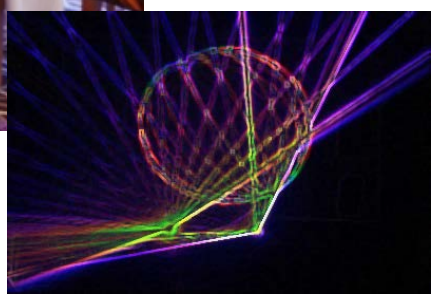
18.00 - 21.00

Welcome Reception and Dinner at the Steigenberger Hotel Berlin

Social Program on Tuesday, 29 September 2020

19.00 - 22.00

Dinner with Lasershow, Ballroom Hotel Steigenberger



Social Program on Wednesday, 30 September 2020

18.00 - 21.00

Boat trip with “MS Spreekrone”.

Meeting point: 17.45 at Schloßbrücke (Charlottenburger Ufer 1, 10587 Berlin)
Departure: 18.00

Route: City tour through historic and modern Berlin
(The trip starts at the Schloßbrücke in Charlottenburg and crosses the Spree through the government quarter and Nikolai quarter, through the Mühlendammschleuse to the Oberbaumbrücke and the Molekulemen and back again. The route is shown on the route plan in orange)

Menu with three courses including drinks will be served on-board

Impressions of boat trip:

Industrial Partners

Industrial Partners

Industrial Partners

Hygienic Measures:

- Ballroom has a capacity of 480 people in non-Corona times. We are now limited to 66.
- Ventilation of rooms is maximized by hotel.
- Disinfection will take place on a regular basis. Hand disinfection are plenty available.
- Catering stations during coffee break will ensure the possibility to keep the necessary distances.
- Service personal will be using appropriate face masks.
- Please feel free to make suggestions to conference and/or hotel staff in case you think hygienic measures can be improved.

General:

Due to possible last minute changes under the current circumstances of Corona pandemic, the program may deviate from what is outlined here. The final program is updated regularly on www.ichem2020.de. For each session the information on speakers, titles and schedule are provided at the entrance.

The presentations can be provided as PowerPoint documents (alternatively: ADOBE PDF documents) which run on regular Windows computer. A CD or memory stick for file transfer is fine. You can also bring your personal laptop with you. If you need any other equipment, please contact the ICHEM 2020 organizers well before the start of your session. When the previous session has started, we may not be able to adjust to specific individual requirements.

Speakers are requested to contact the chairman of their sessions at least 20 minutes prior to the start of their sessions. The session chairmen are responsible for keeping ICHEM 2020 in time. The session chairman is allowed (and advised to) stop talks which take up too much time.

Presenting authors should be in their lecture room at least 20 minutes prior to the start of session. They should make sure that their presentation runs smoothly.

The total duration of an oral presentation is 20 minutes (keynote 40 min). Therefore, the actual presentation should take 15 minutes (keynote 30 min) which leaves 5 (keynote 10) minutes for discussion.

Dress code:

Dress code throughout the conference is casual (a tie is not necessary).

On Tuesday evening dress code is slightly more formal (again, a tie is not necessary).

On Wednesday evening (boat trip): Weather predictions in Berlin for end of September is very unpredictable. Everything in-between 5°C and 23°C is possible at daytime of the boat trip. Also chilly winds are possible. Therefore, please be prepared for cold weather. If the weather is fine, we will have a close to full moon on 30 September 2020.

ICHEM 2020

Schedule as status of Wednesday, 23 Sep. 2020, 11 am:

Date Room	Sunday 27.09.2020 Lobby		Monday 28.09.2020 Ballroom	Tuesday 29.09.2020 Ballroom	Wednesday 30.09.2020 Ballroom	Thursday 01.10.2020 Ballroom
09:00 - 09:20			Opening Remarks, Uwe Glatzel	131 / Werner Skrotzki	058 / Martin Löbel	074 / Angelo Andreoli
09:20 - 09:40			201 / Dierk Raabe		060 / Lisa-Marie Rymer	144 / Sergey Kasatikov
09:40 - 10:00				082_125 / Jean-Philippe Couzinié	097 / Thomas Lindner	063 / Tim Richter
10:00 - 10:20			113_112 / Christian Liebscher		047 / Alex Asabre	136 / Christiane Stephan-Scherb
10:20 - 10:40				166 Partick Conway	157 / Jakub Cieslak	087 / Liuliu Han
10:40 - 11:20			Coffee Break			
11:20 - 11:40			151 / Patricia Suárez Ocano	078 / Daniela Oliveros	200 / Uwe Glatzel	Panel Discussion
11:40 - 12:00			183 / Shabnam Taheriniya	073 / Diaa Mereib	091 / Andrea Fantin	
12:00 - 12:20			Group Picture	086 / Kaiju Lu	165 / Tufan Cakir	
12:20 - 13:40			Lunch			Closing Remarks, Uwe Glatzel
13:40 - 14:00			071 / Christian Hinte	106 / Guillaume Laplanche	050 / Anna Manzoni	End of Meeting
14:00 - 14:20		Registration Open *14:00 - 20:00*	012 / Stephan Laube	139 / Lukas Stepien	001 / Sebastian Haas	
14:20 - 14:40			187 / Barbara Osinger	011 / Jens Freudenberger	089 / Thomas Rieger	
14:40 - 15:00			154 / Silas Wolff-Goodrich	190 / Senol Gezgin	043 / Aditya Srinivasan Tirunilai	
15:00 - 15:30			Coffee Break			
15:30 - 15:50			149 / Yuji Ikeda	093 / Werner Skrotzki		
15:50 - 16:10			167 / Patrick Conway	002 / Christian Gadelmeier		
16:10 - 16:30			003 / Markus Holzinger	062 / Tim Richter		
16:30 - 16:50						
			Poster, Industrial Partners			
	Welcome Reception *18:00 - 21:00*				**Boat Trip** **Meeting Point: 17:45 at Schloßbrücke Charlottenburger Ufer 1, 18:00 - 21:00** **(Please wear your name tag)**	
				Dinner with Lasershow **Restaurant Hotel Steigenberger 19:00 - 22:00** **(Please wear your name tag)**		

Chairmen: Monday morning: Uwe Glatzel || Monday afternoon: Dierk Raabe || Tuesday morning: Ehsan Ghassemali || Tuesday afternoon: Christian Liebscher || Wednesday morning: Jean-Philippe Couzinié || Wednesday afternoon: Silas Wolff-Goodrich || Thursday morning: Sebastian Haas

ICHEM 2020

27 Sep – 01 Oct 2020

Berlin, Germany