



MAX-PLANCK-INSTITUT
FÜR CHEMISCHE PHYSIK FESTER STOFFE



Scientific Organization

Dr.-Ing. Bernd Kuhn
Institut für Energie- und Klimateforschung
Forschungszentrum Jülich

Prof. Yuri Grin
MPI für Chemische Physik fester Stoffe, Dresden

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Dept. Materials Science and Engineering
Tokyo Institute of Technology

Dr. Frank Stein, Dr. Martin Palm
MPI für Eisenforschung GmbH, Düsseldorf
(Local organisers)

Contact

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Hotels near MPIE



1. Hotel Achenbach, Achenbachstr. 17
Tel: (+49)(0)211 - 66 90 90
<https://villa-achenbach.de>
2. Hotel Heidelberger Hof, Grafenberger Allee 103
Tel.: (+49)(0)211 - 66 96 76 0
<https://www.heidelbergerhof.com>
3. Hotel Haus am Zoo, Sybelstr. 49
Tel.: (+49)(0)211 - 61 69 61 0
<https://www.hotel-haus-am-zoo.de>



Max-Planck-Institut
für Eisenforschung GmbH

International
Workshop on

Laves Phases

January 14 - 15, 2019
at the MPIE, Düsseldorf



100
YEARS 1917–2017

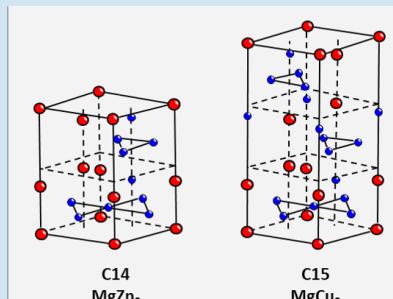
Scope

Laves phases constitute the largest class of intermetallic phases. Within the inter-institutional research initiative "The Nature of Laves Phases" of the Max Planck Society (2006-2011) fundamental aspects of Laves phases have been investigated. Since then, advances in high resolution analytical methods and modelling gave new insight. Simultaneously interest in development and application of alloys strengthened by Laves phases has considerably increased. The workshop is devoted to summarise our current understanding of Laves phases and to identify topics for future research.

The workshop is jointly organised by Forschungszentrum Jülich, Max-Planck-Institut für Chemische Physik fester Stoffe (Dresden), Tokyo Institute of Technology and Max-Planck Institut für Eisenforschung GmbH (Düsseldorf).



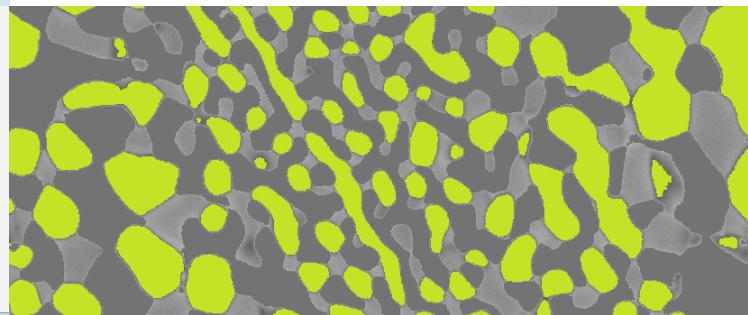
Fritz Laves



Topics

- Synthesis and characterisation
- Phase stability, phase transformations, kinetics
- Defects
- Quantum mechanical and thermodynamical modelling
- Fundamental aspects/properties
- Microstructures and mechanical behaviour of Laves phase strengthened alloys
- Corrosion

Besides oral contributions, presentation of posters will be possible.



Date and Venue

Date	January 14 - 15, 2019
Venue	Max-Planck-Institut für Eisenforschung Max-Planck-Str. 1 40237 Düsseldorf, Germany

Abstracts and Registration

Deadline Abstracts	December 12, 2018
Deadline Registration	December 16, 2018
Please send your abstract and registration to stein@mpie.de	
In case you prefer a poster contribution, please indicate in your email.	

