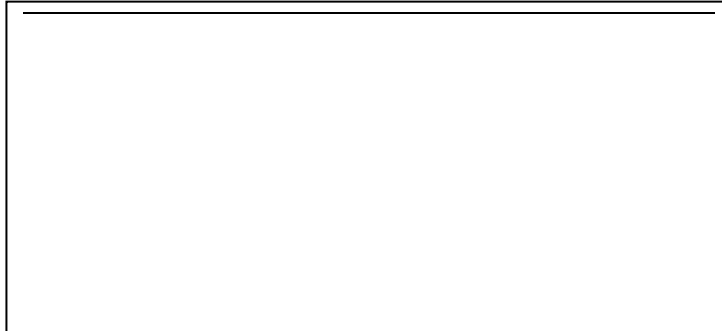


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GOR-Arbeitsgruppe: Praxis der Mathematischen Optimierung

Prof. Dr. Josef Kallrath,
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Herewith we would like to invite you to the 98th meeting of the GOR working group “Real World Mathematical Optimization” at the German Aerospace Center (DLR) (<http://www.dlr.de/dlr/desktopdefault.aspx/tabid-10254/>) in Braunschweig, Germany. This meeting is being held as a symposium with the topic

Mathematical Optimization in Aeronautics and Space

The workshop takes place on May 18th and 19th, 2017. The workshop language will be English.

Please note that the participation in a GOR-AG-Workshop for non-members is subject to a registration fee, unless you are a speaker or a host.

Please register yourself online using <https://www.redseat.de/pmo98/> as soon as possible, but ideally not later than April 28th, 2017. The latest information on the meeting is available on the homepage of the GOR (<http://www.gor-ev.de/arbeitsgruppen/praxis-der-mathematischen-optimierung>).

If you are interested to give a presentation, please, select a lecturing duration of 15+5, 25+5 or 40+5 minutes and contact one of us below.

Yours sincerely,

Josef Kallrath, Jens Schulz, Julia Kallrath &

(GOR AG)

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Anke Tröltzsch

(DLR, Köln)

Anke.Troeltzsch@dlr.de

Vorstand:

Prof. Dr. Alf Kimms (Vorsitz)
Dr. Ulrich Dorndorf (Finanzen)
Prof. Dr. Alf Kimms (Tagungen)
Prof. Dr. Anita Schöbel (Arbeitsgruppen)

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Mathematical Optimization in Aeronautics and Space

DLR (<http://www.dlr.de/>) is the national aeronautics and space research center of the Federal Republic of Germany. Its extensive research and development work in aeronautics, space, energy, transport and security is integrated into national and international cooperative ventures. In addition to its own research, as Germany's space agency, DLR has been given responsibility by the federal government for the planning and implementation of the German space program. DLR is also the umbrella organization for the nation's largest project management agency.

DLR has approximately 8000 employees at 20 locations in Germany: Cologne (headquarter), Augsburg, Berlin, Bonn, Braunschweig, Bremen, Bremerhaven, Dresden, Göttingen, Hamburg, Jena, Jülich, Lampoldshausen, Neustrelitz, Oberpfaffenhofen, Oldenburg, Stade, Stuttgart, Trauen, and Weilheim. DLR also has offices in Brussels, Paris, Tokyo and Washington D.C.

DLR's mission comprises the exploration of Earth and the Solar System and research for protecting the environment. This includes the development of environment-friendly technologies for energy supply and future mobility, as well as for communications and security. DLR's research portfolio ranges from fundamental research to the development of products for tomorrow. In this way, DLR contributes the scientific and technical expertise that it has acquired to the enhancement of Germany as a location for industry and technology.

This two-day event will attempt to give a small insight into mathematical optimization in aeronautics and space. Experts from universities, research institutions, industry and software companies are welcome to present selected problems and available solutions.

Talks could be either 15+5 min, 25+5 min or 40+5 min.

Please contact:

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51147 Köln
Germany

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E-mail: Anke.Troeltzsch@dlr.de,

Jens Schulz (jens.schulz@lhsystems.com), Julia Kallrath (julia.kallrath@h-da.de) or Josef Kallrath (josef.kallrath@web.de) if you are interested in presenting.

Presentations from the following speakers have been confirmed:

Prof. Dr. Hans Georg Bock (Heidelberg University, Heidelberg, Germany)
A Multiple Shooting Method for Initial Satellite Orbit Determination

Prof. Dr. Josef Kallrath (GOR, Weisenheim am Berg, Germany)
Optimization in Astronomy and Space Engineering

Prof. Dr. E. Kostina (Heidelberg University, Heidelberg, Germany)
Optimal Control Methods for Collision Avoidance in Air Traffic Control

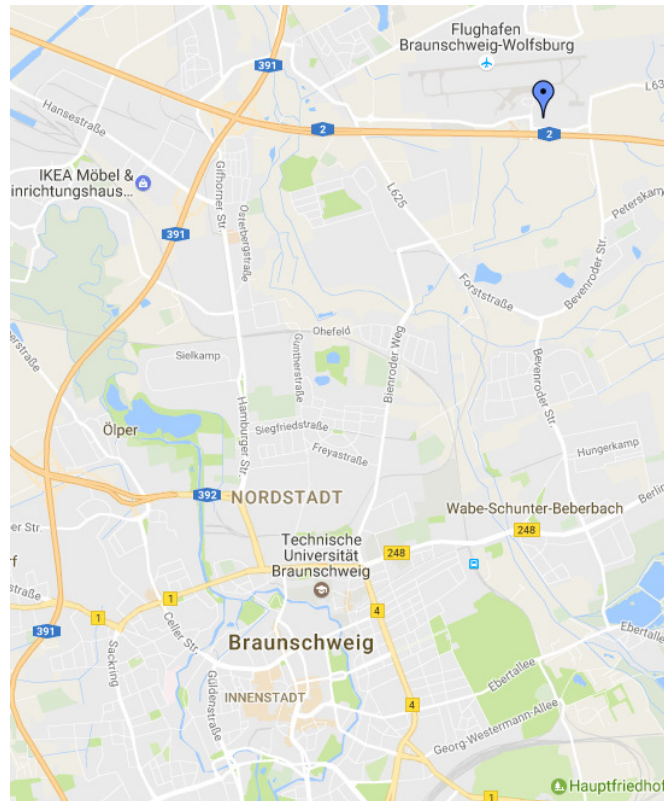
Elisabeth Lobe (PhD candidate, DLR, Simulation and Software Technology)
Solving Ising Problems on Adiabatic Quantum Computers

Dr. Tobias Stollenwerk (Research Scientist, DLR, Simulation and Software Technology)
Adiabatic Quantum Computing with Application in Aerospace

Location

Address: **DLR Braunschweig**
Lilienthalplatz 7
38108 Braunschweig

Room: Hermann-Blenk-Saal



Excursion:

On Thursday afternoon, an excursion will be arranged (Guided Tour at the DLR site Braunschweig). Furthermore, for up to 20 participants (first registered, first served) it will be possible to experience the “Virtual-Reality-System”, e.g., flying through a 3D Mars surface, rendered from real Mars photos and developed by members of the facility Simulation and Software Technology in Braunschweig.

The place for the conference dinner on Thursday evening will be announced soon.

Hotel list:

City Braunschweig:

- Penta Hotel
- Intercity Hotel
- Hotel Fürstenhof
- Mercure Hotel

Outside City:

- EHM Hotel Braunschweig Seminarium