



VDI

Technical Division
Mechanism Design
and Machine Elements

Call for Papers

International Conference on Gears

Europe invites the world

Associated Organisations

British Gear Association

Chinese Mechanical Engineering Society

Drive Technology Research Association, Germany

GCOE Global Robot Academia, Japan

Institution of Mechanical Engineers, United Kingdom

Japan Society of Mechanical Engineers

Koninklijk Instituut Van Ingenieurs, The Netherlands

Scientific Society of Mechanical Engineers, Hungary

BGA

CMES

FVA

COE

IMEchE

JSME

KIVI-NIRIA

GTE



October 4th to 6th, 2010,

Munich, Germany

Technical University of Munich

(TUM), Garching (near Munich)

www.vdi-gears.eu

Purpose

The fourth international conference on gears and transmission in Germany will become a broad platform for equipment manufacturers and producers and researchers of gear and transmission systems to present problems and new solutions and their latest research results.

Global warming is one of the big issues in public discussion, in politics and industry. The conference will show, what the transmission and driveline industry can contribute to reducing energy consumption. Gears are vital in the efficiency of different applications. They transmit and vary torque between engines and applications. There is still room for improvement, which is demonstrated by the presenters. Also new concepts for drivelines of energy supply systems provide answers to the increasing demand for energy worldwide. These concepts must be introduced to global markets more quickly. Therefore, new designs are necessary and will be presented at the conference.

The state-of-the-art of industrial applications will be demonstrated in an exhibition beside the conference.

**The Conference President:
Prof. Dr.-Ing. Bernd-Robert Höhn**

Call for Submission of Contributions

Are you an expert on one of the areas of our focal topics? Then we call on you to make an active contribution to the success of the congress with a presentation.

Topics:

1. Industrial applications

- 1.1 transmissions for energy systems, e.g. power-plants, wind generators, water turbines etc.
- 1.2 transmissions for mobility systems, e.g. gears units in marine, aircraft, railway and automotive sector
- 1.3 transmission for production machinery, e.g. transportation in manufacturing lines

2. Design, analysis and simulation

- 2.1 new designs for all types of gears (cylindrical, rectangular and worm gears) with improved efficiency and reduced noise and vibration
- 2.2 new materials, heat treatment, lubrication and coatings for higher durability
- 2.3 improved simulation programs for lightweight design and better life time prediction

3. Manufacturing

- 3.1 new manufacturing technologies to increase product quality and manufacturing time
- 3.2 improved tools for future demands on production systems
- 3.3 new technologies for ecologically sustainable productions and those which preserve natural resources

Schedule

Deadline for abstracts	December 14th, 2009
Notification of acceptance	End of February 2010
Deadline for question form	March 15th, 2010
Final program	End of May 2010
Deadline for final manuscript	August 2nd, 2010

Important Information for Authors

Types of Contribution

Your contribution can take the form of :

1. A full presentation: if your paper is accepted you will be allowed 25 minutes to talk about it and 5 minutes to respond to questions and comments from the audience or
2. a poster presentation.

Submission of Abstracts

If you want to present a contribution your submission must include:

- Title of the paper and/or poster and 3–4 bullet points
- An abstract summarizing your paper in less than 400 words but including sufficient detail to permit a reasonable evaluation
- Information about you: name, title(s), company address, department, affiliation, e-mail, telephone and fax number
- How you would like to present your paper upon acceptance (full or poster presentation)
- In which topic area(s) your presentation should be listed
- A statement specifying what is new in your presentation
- A bibliography of your previous publications about this subject

Please note that abstracts and final papers will be only accepted if they are uploaded to the conference's web site:

<http://www.vdi-gears.eu>

All submissions must be Portable Document Format (PDF) files. You should also upload a personal photograph and your CV to help the session moderator recognize and introduce you at the conference.

Your abstract must be received by **December 14th, 2009**. Your proposal will be reviewed by the Programme Committee.

Please note that the number of Co-authors named in the printed program is limited up to two.

Submission of the Final Manuscript

If your paper is accepted you will be invited to submit the final manuscript which must be received by **August 2nd, 2010**.

If you receive notification of acceptance, you will also receive instructions concerning manuscripts and a question form to be returned to the VDI Wissensforum. The accepted papers (full papers and posters) will be printed in the conference proceedings provided to the conference participants.

General Information

The conference will last three days, comprising keynote addresses and presentations in a series of plenary and parallel sessions. The official language of the conference will be English. No simultaneous translation will be provided. The conference program and the registration form will be available by **end of May 2010**.

Accompanying Exhibition / Sponsorship Opportunities

Would you like to get face to face with the high-powered delegates attending this VDI congress and present your products and services to a specialist sector of your market?

For an optimum presentation of your company, make use of the exhibition held in parallel with the conference. Here you can meet industry decision-makers – make your target contacts neatly and without a great deal of organisational outlay. Secure your stand space right at the heart of this industry rendezvous and/or use a sponsorship package specially tailored to your requirements to enable you to stand out more clearly and effectively from your competitors. We can supply you with exclusive communication possibilities before, during and after the event.

Exhibitor and sponsor inquiries should be addressed to:

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Fax: +49 (0) 211 62 14-1 67, e-mail: amend@vdi.de

Conference Fee

The conference fee as well as the discount for VDI members, members of the associated organisations, speakers, poster presentators, university staff members and speakers will be supplied with the registration form.

Presidency

Conference President: Prof. Dr.-Ing. Bernd-Robert Höhn, *Full Professor, Chair for Machine Elements, Gear Research Centre (FZG), Technical University of Munich, Garching*

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General Conference Questions

If you have any general questions about the conference please contact:

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Date and Location

The International Conference on Gears will take place in Munich/ Muenchen, Technische Universität München Garching, Germany, from Monday, October 4th, 2010 to Wednesday, October 6th, 2010.



The famous Oktoberfest takes place from September 18th to October 3rd 2010. Participants will have the opportunity to extend their visit to the famous city and its surroundings for a couple of days. Munich offers a lot of places of interest such as the Marienplatz in the city center, Old and New Town Hall, Frauenkirche, Viktualienmarkt and Odeonsplatz. Other attractions include the English Garden, the Deutsche Museum, the Königsplatz, the Pinakothek I, II and III and the site of the 1972 Olympics. And visitors should not miss a trip to the points of interest outside of Munich such as the Castle Neuschwanstein, Castle Linderhof, Lake Starnberg, Lake Ammersee, Lake Chiemsee and the Isar Valley.

