



# BEARING WORLD

International Bearing Conference

6-7 March, 2018 in Kaiserslautern, Germany

Industrial Research and Science  
in Dialogue with Practical Application

## Call for Papers

Deadline for submission of abstracts

30 October 2017



## Invitation

> BEARING WORLD – Second expert forum “Industrial Research and Science in Dialogue with Practical Application” focusing on the topic of bearings in theory and application.

Ladies and gentlemen,

In technology, wherever there is movement, rolling element and plain bearings are an essential. This is as true for general mechanical engineering, the automotive industry and others. Bearings transmit operating forces between moving machine components, and therefore play a crucial role in functionality, efficiency, and service life of the overall machine or system. The stresses on rolling bearings in particular are very high, and will continue to increase in the future, as will expectations of reliability. Therefore, appropriate bearing selection and dimensioning as well as the optimal design of the bearing environment are indispensable. This requires constant growth in expertise based on practical experience and scientific knowledge. This includes, for example, bearing installation to ensure optimum clearance and preload, lubrication and sealing design, corrosion protection, condition monitoring, and targeted improvements based on extensive failure analysis.

BEARING WORLD focuses on all aspects of bearings.

The goal of BEARING WORLD is to promote the exchange of knowledge and experience between universities and engineers from the industry who are involved in or responsible for the design, development, manufacturing and assembly, or the practical operation or maintenance of bearings.

Be involved from the outset! Contribute to the programme by providing your knowledge and experience, and take advantage of the opportunity to share information!

We look forward to receiving your proposals for BEARING WORLD.

The BEARING WORLD Programme Committee



## Primary Topics

> BEARING WORLD focuses on all facets of bearings and all involved components, with special emphasis on rolling bearings - in combination with or comparison to plain or magnetic bearings.

- » Drive technology applications and challenges to bearings
- » Calculation and Bearing dimensioning
- » Life and Durability
- » Energy efficiency
- » Rolling bearing dynamics
- » NVH (Noise, Vibration, Harshness)
- » Bearing damage
- » Protective seals for rolling bearings
- » Manufacturing aspects, Tolerances
- » Validation
- » Lubrication
- » Lab testing vs. field performance

> Contents

Abstracts (deadline for submissions 30 October, 2017) must include the names, addresses, telephone numbers, and e-mail addresses of all authors as well as an allocation to the conference topics. The length of the abstract is limited to one A4 page.

Please use the official submission form, which can be downloaded from [www.bearingworld.org](http://www.bearingworld.org).

After acceptance by the programme committee, 4-page conference materials must be submitted by 22 January, 2018 for selected contributions. The presentations will be collected and (if approved by the authors) made available to conference participants in electronic form along with the conference proceedings and full papers which have already been received. Contributions which present new findings from industrial practice or scientific research, related to open issues and possible solutions in the field of bearings or technical systems with bearings in a well- founded and comprehensible form, may be subjected to a review process following the conference with subsequent international publication.

> Languages

Presentations should preferably be given in English. Yet German presentations are also welcome (simultaneous translation provided). Presentation slides in English only.

> Corporate Booths

The presentations will be accompanied by technical information booths from interested companies. All relevant information can be obtained from the organisers.

# Submission Conditions

## > Conference Presentations

Each presentation is provided with 20 minutes of speaking time and 5 minutes for discussion.

## > Process

All abstracts will be submitted to the Programme Committee for selection. The four-page manuscripts of all accepted papers will be published in the conference proceedings.

## > Peer-Reviewed Bearing World Journal

Additionally, it is possible to publish your contribution as extended paper in our high-class scientific "Bearing World Journal", which will be published after the congress. Please mark the checkbox in submission form if you are interested in that.

## > Benefits for Presenters

- » Free participation in the conference
- » Refreshments and evening event
- » Free copy of the conference proceedings
- » Optional publication in scientific "Bearing World Journal"
- » Free copy of scientific "Bearing World Journal"

## > Important Dates

Deadline for submission of abstracts: 30 October 2017  
Acceptance by the programme committee: 17 November 2017  
Submission of manuscripts: 22 January 2018

# Organisation

## > Head of Programme Committee and Scientific Board, Editor of Bearing World Journal

Prof. Gerhard Poll, IMKT Leibniz Universität Hannover

## > Local Host

Prof. Bernd Sauer, MEGT University of Kaiserslautern

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# Organisation

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Prof. Hans-Werner Zoch, IWT Stiftung Institut für Werkstofftechnik, Bremen, Germany

## > Technical Sponsor

Forschungsvereinigung Antriebstechnik e.V.  
Lyoner Str. 18, 60528 Frankfurt/Main

## > Conference Organisation

Bernhard Hagemann	Brigitte Becker
T 49 69 6603-1674	T 49 69 6603-1597
F 49 69 6603-2674	F 49 69 6603-2597
bernhard.hagemann@vdma.org	brigitte.becker@fva-service.de

## > Event Location

**University of Kaiserslautern**  
Building 42 / Audimax  
Gottlieb-Daimler-Strasse  
67663 Kaiserslautern, Germany

## > Organiser

FVA GmbH  
Lyoner Straße 18  
60528 Frankfurt/Main

