

Submission deadline for
abstracts: 30 September 2021

Call for
Papers



BEARING WORLD

by FVA

4th International FVA-Conference

The Expert Forum for Bearings – Rolling and Plain Bearings!

5 – 6 April 2022 in Würzburg, Germany

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fva-net.de
bearingworld.org

INVITATION

BEARING WORLD presented by FVA – Fourth expert forum on “Industrial Research and Science in Dialogue with Practical Application,” focussing on the topic of bearings in theory and application.

Ladies and gentlemen,

In technology, wherever there is movement, rolling element and plain bearings are essential. This is 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 the 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 part of it! 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 the FVA-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
- » Smart bearings
- » Model-based systems engineering

Trade exhibition

Offer participants additional information about your presentation at your company’s stand at the trade fair. Information on the exhibition can be found at bearingworld.org.





Programme Committee

Dirk Arnold, Forschungsvereinigung Antriebstechnik e.V.
 Dr. Viktor Aul, ZF Friedrichshafen AG
 Dr. Elmar Busche, Volkswagen AG
 Prof. Brigitte Clausen, Leibniz-Institut IWT Bremen
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 Andreas Weber, Vestas Nacelles Deutschland GmbH



Scientific Board

More than thirty renowned scientists from 11 countries from all over the world are gathered here. They review and evaluate the conference presentations before they are published in the Bearing World Journal. In addition, some of them will be available at the conference as moderators, speakers and discussion partners.

Industrial research and science in dialogue with practice – this is what makes the international FVA BEARING WORLD Expert Forum a special event you shouldn't miss. Be there – whether as a speaker or participant.

See you in Würzburg in 2022!



SUBMISSION CONDITIONS

Please submit your abstract by 30 September 2021

- » Please use the online portal at bearingworld.org to submit your abstract. Abstracts must include the name, address, telephone number and e-mail address of all authors, and must be assigned to one of the main topics.
- » The conference proceedings will be in English.
- » Conference report for the conference proceedings in English.
- » Presentation slides must be in English.
- » Each presenter will be allocated 20 minutes for presentation plus 5 minutes for discussion.
- » Participants will receive download links for authorised presentations after the conference.

Key Deadlines

Deadline for abstracts: **30 September 2021**
Submission of conference report: **28 February 2022**

Organisation



**Head of Programme Committee and Scientific Board,
Editor of Bearing World Journal**
Prof. Gerhard Poll, IMKT Leibniz Universität Hannover

Conference Organisation

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Process

All abstracts will be submitted to the Programme Committee for selection.

Peer-Reviewed Bearing World Journal

You can also publish your contribution as an extended paper in the “Bearing World Journal,” which will be published after the conference. Please select the checkbox in the submission form if you are interested.

Benefits for Presenters

- » Free participation in the conference
- » Free copy of the conference proceedings
- » Optional publication in “Bearing World Journal”
- » Free copy of “Bearing World Journal”

Location

Congress-Centrum Würzburg (MARITIM Hotel)
Pleichertorstraße 5
97070 Würzburg

Technical Sponsor

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More information at bearingworld.org