

21st ISC

Stuttgart, Germany
Oct. 12 – 13, 2022



Call for Papers

International Sealing Conference

A cooperation of



Sealing Technology – Old School and Cutting Edge

The Fluid Power Association within VDMA (the German Mechanical Engineering Industry Association) with its Fluid Power Sealing Group, which brings together the leading German manufacturers of seals for fluid power and general applications, is organizing the

21st International Sealing Conference

on **October 12 and 13, 2022**, at the University of Stuttgart. The conference will be held under the scientific auspices of PD Dr.-Ing. habil. Frank Bauer from the Institute of Machine Components (IMA), University of Stuttgart.

The motto for the conference is

Sealing Technology – Old School and Cutting Edge

Most industrial products depend heavily on seals. In the past, seals have impressively demonstrated their ability and are still state-of-the-art. Due to the increasing demand for energy-efficient, ecological, and economical products and technology trends (such as Industrie 4.0 (IoT) or electromobility), sealing technology related industry and research faces new challenges. By accepting these, sealing technology is making a decisive contribution to the development of cutting-edge products by a mix of well-tried, modern, and innovative solutions.

The aim of this conference is to present and discuss the results of scientific research, results of development, and experiences of users, thus contributing to the knowledge transfer between

- Researchers and scientific institutions,
- Manufacturers/suppliers of seals and sealing systems,
- Users (manufacturers of hydraulic and pneumatic systems and components, machinery, automobile and plant manufacturers, automotive industry suppliers, aerospace and chemical industry and others),

- Manufacturers of preliminary products for sealing systems,
- Manufacturers of hydraulic fluids and lubricants and
- Service providers, such as testing labs and engineering offices.

For the 21st International Sealing Conference, presentations on the following topics are requested:

- Static Seals
- Rotary Shaft Seals
- Reciprocating Seals (Hydraulics/Pneumatics)
- Basics of Sealing Technology
- Mechanical Seals
- Materials and Surfaces
- Energy Conservation/Friction/Wear
- Simulation
- Standardization/Patents/Laws/Test Procedures
- Applications in Practice

The speakers (one per contribution) participate at the conference for a reduced fee of 290 €.

Call for Papers

If you are interested in presenting at the 21st ISC, you are kindly requested to submit an abstract (2000 signs max) following the instructions on the conference homepage (<https://sealing-conference.com/call-for-papers/>). Submission deadline is January 30th, 2022.

Important Notes

- Papers for the conference proceedings shall **be in English, only**.
- The presentation shall be held in English (professional simultaneous translation to German).
- Presentations should not exceed a limit of 20 minutes.

Important Dates

- Submission of abstracts: 2022-01-30
- Notification of acceptance: 2022-03-18
- Paper submission: 2022-05-15 (reviewed papers), or 2022-06-19 (unreviewed papers)

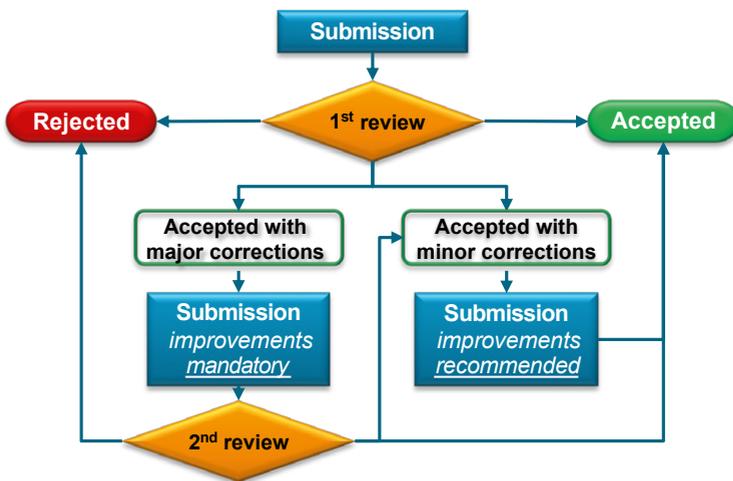


Peer Review at the ISC - Terms and Conditions

All authors are offered the opportunity of an optional peer review of their paper. This guarantees that these examined papers meet high scientific requirements and may receive their respective appreciation for research projects or doctoral theses.

The reviewed papers will be marked with the label „Reviewed“ in the conference proceedings.

A paper registered for the review process will be independently reviewed by two specialised experts (one from industry, one from academia). The scientific panel consists of the members of the programme committee as well as other experts from industry and academia. After this initial evaluation, the paper is accepted, or the authors have the opportunity to revise their paper with the required changes and submit it again. If the reviewers accept the changes – if necessary with the request for further minor corrections – the paper will be accepted and labeled as „Reviewed“ for the conference proceedings (see flow chart for review procedure).



Review Notes

Note 1:

When submitting the abstract, authors shall inform whether they want to participate in the review process.

Note 2:

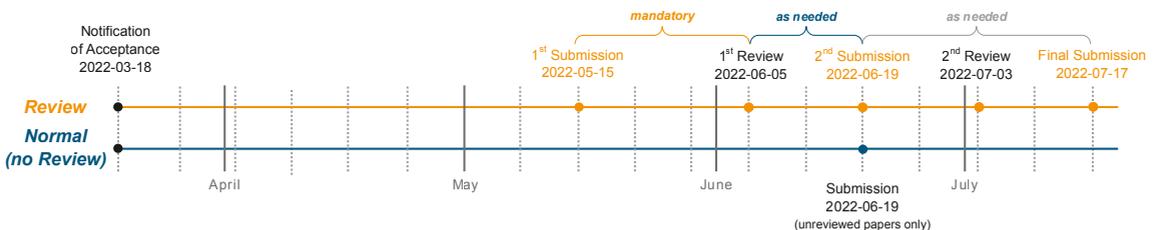
Different deadlines apply for the review process and the normal process (see timeline). Papers that do not meet the deadlines cannot be reviewed.

Note 3:

Papers rejected in the review process due to formal reasons will be published as regular papers in the proceedings.

Note 4:

Reviewers submit ratings whether papers comply to scientific standards, are written in a comprehensible manner, and fulfill formal requirements, such as proper language, grammar, literature or quotations. If necessary, new submissions with mandatory or recommended improvements will be requested.



Programme Committee

Dr. Manfred Achenbach	Ingenieur- und Sachverständigenbüro Achenbach
PD Dr. habil. Frank Bauer	Institute of Machine Components (IMA), University of Stuttgart
Dr. Andreas Bischoff	ARLANXEO Deutschland GmbH
Prof. Dr. Eberhard Bock	Freudenberg Sealing Technologies GmbH
Stefan Brödner	Bosch Rexroth AG
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Martin Goerres	Freudenberg Sealing Technologies GmbH
Rolf Hahn	Gutachten und Beratung für die Dichtungstechnik
Susanne Hahn	Institute of Machine Components (IMA), University of Stuttgart
Dr. Maximilian Hartmann	Fachverband Fluidtechnik im VDMA e.V.
Andreas Hübner-Hecker	HECKER WERKE GmbH
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Dr. Heinz Christian Rost	Parker Hannifin GmbH, Engineered Materials Group Europe
Prof. Dr. Katharina Schmitz	RWTH Aachen, Institut für fluidtechnische Antriebe und Systeme (ifas)
Dr. Thomas Schwarz	SKF Sealing Solutions Austria GmbH
Klaus G. Wagner	Herbert Hänchen GmbH & Co. KG
Prof. em. Dr. Peter Waidner	seal-ing – der dichtungsdoktor – the sealing doctor

Exhibition

Are you interested in contributing to the conference exhibition with posters or exhibits? Information about the exhibition can be found on www.sealing-conference.com.



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