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 7 and 8, 2020, at the University of Stuttgart. The conference will be held under the scientific auspices of Dr.-Ing. 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 cannot do without a seal. In many of these products seals have proven themselves over many years, which are still state-of-the-art today. Against the background of increasing demands for energy-efficient, ecological and economical products and technology trends such as Industrie 4.0 (IoT) or electromobility, sealing technology also has to face new challenges. Through a mix of well-tried, modern and innovative solutions, sealing technology is making a decisive contribution to the development of cutting-edge products.

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

- 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.

At 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 in the conference free of charge.

Call for Papers

If you are interested in presenting at the 21st ISC, you are kindly requested to submit an abstract (400 words max) following the instructions on the conference homepage (https://sealing-conference.com/call-for-papers/)

Submission deadline is January 26th, 2020.

Important notes

- The papers for the conference proceedings shall for the first time only be in English.
- The presentation may be held in German or English (professional simultaneous translation).
- Presentations should not exceed a limit of 20 minutes.

Important dates

- Submission of abstracts: 2020-01-26
- Notification of acceptance: 2020-03-13
- Submission of full papers: 2020-06-14 (2020-05-10 for reviewed 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 specialized experts (one from industry, one from academia). This scientific panel consists of the members of the programme committee as well as other experts from industry and academia. After this initial evaluation, the authors have the opportunity, if necessary, to revise their paper with the required changes and submit it again. If the reviewers accept the changes – with the request for further minor corrections if necessary – the paper will be accepted 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:**
Other deadlines apply for the review process than for the normal process (see timeline). Papers that do not meet the deadlines cannot be reviewed and will be rejected.

**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
Dr. Frank Bauer  Universität Stuttgart, Institut für Maschinenelemente (IMA)
Dr. Andreas Bischoff  ARLANXEO Deutschland GmbH
Prof. Dr. Eberhard Bock  Freudenberg Sealing Technologies GmbH & Co. KG
Stefan Brödner  Bosch Rexroth AG
Thomas Bürkle  FESTO AG & Co. KG
Dr. Christian Geis  Fachverband Fluidtechnik im VDMA e.V.
Martin Goerres  Freudenberg Sealing Technologies GmbH
Rolf Hahn  Gutachten und Beratung für die Dichtungstechnik
Andreas Hübner-Hecker  HECKER WERKE GmbH
Ingrid Hunger  Hunger DFE GmbH
Holger Jordan  Trelleborg Sealing Solutions Germany GmbH
Dr. Nick Peppiatt  Hallite Seals International Ltd.
Prof. Dr. Alexander Riedl  Fachhochschule Münster, FB Physikalische Technik
Dr. Heinz Christian Rost  Parker Hannifin GmbH, Engineered Materials Group Europe
Prof. Dr. Katharina Schmitz  RWTH Aachen, Institut für fluidtechnische Antriebe und Systeme (ifas)
Uwe Schulder  Garlock GmbH
Dr. Thomas Schwarz  SKF Sealing Solutions Austria GmbH
Klaus G. Wagner  Herbert Hänchen GmbH & Co. KG
Prof. Dr. Peter Waidner  Hochschule München, Fakultät für angewandte Naturwissenschaften und Mechatronik
Dr. Volkert Wollesen  Technische Universität Hamburg-Harburg, Institut für Modellierung und Berechnung

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.