

Submission Requirements

Please submit your presentation

- » Please submit your presentation using the online form at www.nextlub.com.
- » Abstracts must be assigned to one of the main topics and include the name, address, telephone number, and e-mail address of all authors.
- » Abstracts of accepted presentations will be published in the conference proceedings. Conference participants will receive a link to download all approved presentations following the event.

Languages

- » The conference will be held in English.
- » Each presentation is allocated 20 minutes of speaking time and 5 minutes for discussion.
- » Presentation slides must be in English.

Manuscripts

- » Manuscripts will be published in the conference proceedings.

Process

- » All abstracts will be submitted to the program committee for selection. The extended abstract (2x DIN-A4 pages including illustrations) of all accepted presentations will be published in the conference proceedings.

Benefits for Speakers

- » Significantly reduced participation fee. Free copy of the conference proceedings.

Key Deadlines

- » Deadline for abstracts: September 30, 2022

Organisation

Steering Committee

Dirk Arnold, FVA e.V
Michelle Broller, FVA GmbH
Dr. Thomas Gradt,
Bundesanstalt für Materialforschung und -prüfung (BAM)
Norbert Haefke, FVA GmbH
Christian Kunze, FVA e.V.
Edwin Leber, UNITI-Kraftstoff GmbH
Dr. Maren Ohnesorge, UNITI-Kraftstoff GmbH
Dr. Christoph Wincierz, Evonik Operations GmbH

Program Committee

Dr.-Ing. Mirjam Bäse, MAGNA Powertrain GmbH & Co KG
Prof. Dr.-Ing. Dirk Bartel, OvG-Universität Magdeburg
Karl-Heinz Blum, Bosch Rexroth AG
Dr.-Ing. Christoph Bugiel, Flender GmbH
Prof. Dr.-Ing. Tim Hosenfeldt,
Schaeffler Technologies GmbH & Co. KG
Nicolas Huber, John Deere GmbH & Co. KG
Dr. Thomas Kiltbau, Klüber Lubrication München SE & Co. KG
Dr. Lutz Lindemann, FUCHS PETROLUB SE
Rolf Luther, FUCHS LUBRICANTS GERMANY GmbH
Dr. Harald Maelger, Afton Chemical GmbH
Dr. Balazs Magyar, ZF Friedrichshafen AG
Torsten Murr, Shell Global Solutions (Deutschland) GmbH
Prof. Dr.-Ing. Adrian Rienäcker, Universität Kassel
Dr. Armin Schmidt, HYDAC Filtertechnik GmbH
Prof. Dr. Joachim Schulz, ML Lubrication GmbH
Kirsten Schwörer, Castrol Germany GmbH
Prof. Dr.-Ing. Karsten Stahl, Technische Universität München
Dr. Markus Wöppermann, SEW-EURODRIVE GmbH & Co. KG
Dr.-Ing. Mathias Woydt, Matrilub

Contact

René Löser
T +49 30 755 414 400
loeser@uniti.de

**International
Conference on
Tribology and
Sustainable Lubrication**

nextlub 

April 18 – 19, 2023, Düsseldorf, Germany

Call for papers

Submission deadline for abstracts:
September 30, 2022

Location

Maritim Hotel Düsseldorf
Maritim-Platz 1
40474 Düsseldorf
Germany

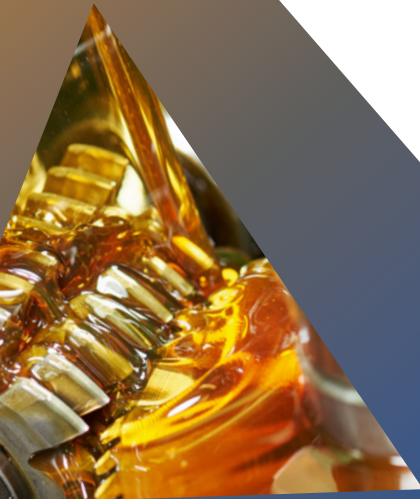
Photos: assistant, Kadmy, Okea – stock.adobe.com

Organized by

FVA
sharing drive innovation

GfT Gesellschaft für
Tribologie e.V.

UNITI



Invitation

Objectives

"Never change a running system" – This saying is not only valid in computer science, but also applies to lubricated mechanical devices. At present sustainable alternatives for tribological applications are being developed. But it is extremely hard to transfer these technologies into market. Reasons are lacks of experience and knowledge, the high effort for evaluating and approving new products and strong requirements for reliability and safety.

However, with the increasing sustainability, ecological and geopolitical demands, numerous additional selection criteria for lubricants and tribological systems will be defined in future on top to the currently dominating functional specifications. The integration of further non-technical functionalities in addition to the well-known premium attributes of lubricants and tribological systems generates new technological requirements and knowledge gaps. However, as based on both, technology and science, tribology has a broad and solid industrial foundation that will enable the specialists in this field to overcome these challenging requirements.

The conference will bring together tribologists and lubrication experts to present the latest concepts, developments and innovative solutions in order to cope with the future oriented targets of sustainability, efficiency and CO₂ reduction. The intention of this conference is to close knowledge gaps and to promote appropriate innovative technologies and investment decisions. Moreover, this event will be a platform for young academics to exchange expertise knowledge and to increase their network and to motivate them to continue working in this fascinating field.

The presentations of the 1st "nextlub" will include all areas where lubrication and tribology play an important role for keeping the world moving. This conference provides a unique opportunity for discussion of the inclusion of sustainable development as well as how tribology and lubrication support sustainability and reduction of energy consumption. It is the aim of the 1st "nextlub" to provide plenty opportunities for gaining insights into all aspects of the important relationships between "CO₂ & Friction" and "Sustainability & Wear Protection".

Topics

Ladies and gentlemen,

you are cordially invited to submit contributions to the following topics:

- » Environmentally acceptable lubricants
- » Renewable and recycled raw materials
- » Re-refined base oils
- » Bio-lubricants
- » Digital twin of lubricants
- » Inline & offline condition monitoring
- » End-of-life treatment
- » Life cycle analysis (LCA)
- » Long-life / extended drains
- » Energy efficiency – measure, scale, simulation
- » Superlubricity, minimized friction
- » Materials & coatings for improved lubrication
- » Material efficiency & resource conservation through wear protection
- » Maintenance, repair and recycling
- » Lubricants in electric drivetrains
- » Thermal properties of lubricating fluids
- » Electrical and electromagnetic properties of fluids