



Society of Tribologists and Lubrication
Engineers

78th Annual Meeting & Exhibition

Rolling Element Bearing Technical Committee

Call for Abstracts

Abstract Submission DEADLINE: Monday, October 2nd, 2023

(After October 2, the site will remain open to accept abstracts for the wait list.)

Dear friends and colleagues,

The Rolling Element Bearing Technical Committee is soliciting papers and presentations for the 78th STLE Annual Meeting & Exhibition. The event will be held on May 19-23, 2024 at the Minneapolis Convention Center in Minneapolis, Minnesota.

While all aspects of rolling element bearing technology are welcome, those related to current challenges in practical bearing applications and new technology innovations addressing these challenges are of particular interest.

Such topics may include, but are not limited to:

- Case studies of challenging bearing applications and their solutions
- Bearings issues in the Automotive, Aerospace, Power Generation and Heavy industries
- Low torque bearings and/or large size bearings
- Impact of lubrication on bearing performance
- The effect of contamination and bearing cleanliness
- Reliability analysis & life prediction
- Modeling and design analysis
- Noise and Vibration issues in bearings

This year, authors will be given the opportunity to request a 20-minute presentation slot or a 40-minute presentation slot when they submit an abstract. Additionally, the Rolling Element Bearing session (REB) particularly welcomes all topics related to Electric vehicles and Wind turbines.

Interested authors can submit abstracts through the online submission website at <https://stle2024.abstractcentral.com/>.

REB Best Young Presenter Award

At the 2019 STLE Annual Meeting, the REB committee introduced the “**Best Young Presenter Award**”. The purpose of this award is to recognize a single presentation in the REB sessions for its outstanding contribution to the advancement of rolling element bearing technology. The emphasis is especially on presentations by students, which contribute to the future of rolling element bearing development. All papers submitted by students for REB sessions at the STLE 2024 Annual Meeting will be considered for this award.

Ideation event - Discussion Round Tables

Building upon the innovative culture of STLE, a creative session format to deal with academic topics is organized by the Annual Meeting Program Committee each year. This ideation event is open to all technical sessions.

The Idea Exchange will be held during the 2024 STLE Annual Meeting on Wednesday afternoon, May 22, 2024, in the format of discussion roundtables. This format enables both an open discussion with many participants and an easy recap and documentation. For every table, a host proposes a topic for the discussion roundtable and the participants will discuss and share their opinions on the proposed topic. By using a writable tablecloth, a creative and open atmosphere is generated to stimulate and communicate ideas. The big benefit for the host is that he/she/they may propose a topic of interest and receive opinions and viewpoints from all the other participants. The Discussion Roundtable session typically lasts 60 to 90 minutes but is open-ended.

Please apply to host a table and submit an abstract with your proposed topic through the abstract submission site: <https://stle2024.abstractcentral.com> by selecting the “Discussion Roundtable” category from the drop-down menu.

Please apply for hosting a discussion table with your topic by contacting **Hannes Grillenberger** directly at hannes.grillenberger@schaeffler.com.

Contact Information

For questions related to Rolling Element Bearing (REB) abstract submissions, please contact **Travis Shive** (travis.shive@skf.com) or **Ujjawal Arya** (uarya@purdue.edu)

For questions related to the Discussion round tables (including application), please contact **Hannes Grillenberger** (hannes.grillenberger@schaeffler.com)

For general questions on the 78th STLE Annual Meeting & Exhibition, please contact **Merle Hedland** at (mhedland@bacon-hedland.com).

Important Deadlines

Deadline for Abstracts: **October 2, 2023**.

Deadline for Early Career Poster and Student Poster Competition Abstracts: **March 13, 2024**.

Deadline for Student and Early Career Awards: **December 1, 2023**.

Regards,

Travis Shive

SKF

2024 PSC – Rolling Element Bearings

Ujjawal Arya

Purdue University

2024 Vice PSC – Rolling Element Bearings