



**Society of Tribologists and
Lubrication Engineers 75th
Anniversary STLE Annual
Meeting & Exhibition**

Rolling Element Bearing Technical Committee

Call for Papers

Abstract Submission DEADLINE: October 1st, 2020

Dear friends and colleagues,

The Rolling Element Bearing Technical Committee is soliciting papers and presentations for the 75th STLE Annual Meeting to be held in New Orleans, Louisiana at the Hyatt Regency New Orleans Hotel on May 16-20, 2021.

While all aspects of rolling element bearing technology are welcome, those related to current challenges in practical bearing applications and new technology innovations being developed to meet these needs are of particular interest. Additionally, the Rolling Element Bearing session (REB) especially welcomes all topics in connection with Electric Vehicles.

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
- Bearings and systems in Electric Vehicle applications

Interested authors can submit abstracts through the online submission website at
<https://stle2021.abstractcentral.com>

REB Best Young Presenter Award

At the 2019 STLE Annual Meeting, the REB committee introduced the “**Best Young Presenter Award**”. There is an abundance of quality work that is presented during the REB sessions and the purpose of this award is to recognize a single presentation 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 / graduates for REB sessions at the STLE 2021 Annual Meeting will be considered for this award.

Discussion Round Tables (DRTs)

During the past three STLE Annual Meetings, discussion round table (DRT) events were organized by the REB committee. These events were introduced to facilitate technical discussions on current questions pertaining to rolling element bearings and their applications. Based upon the success of previous events the DRTs will be continued for the 2021 conference.

DRTs are forums where a moderator hosts an open discussion for a given time about a topic submitted by him/her. Several DRTs are held in the same location in parallel, and they provide a means to exchange views and opinions on a specific topic as opposed to the conventional presentation mode with Q&A. This allows for a deeper discussion tailored to the needs of the participants of the DRTs.

We therefore encourage you to apply as a host of a DRT in general or with specific topics dealing with tribology from any point of view – including e.g. lubrication fundamentals, grease, additives, wind or engine/drivetrain, rolling element bearings or electric vehicle applications. Host applications can be submitted directly to the contact persons via e-mail (provided at the end of this document).

To get a glimpse of the format and the discussion rounds, please see the wrap ups of the past events by following the links below.

Introduction video for 2017

<https://www.youtube.com/watch?v=iLNNNoQgw6Mo>

First DRT in 2017

https://www.stle.org/images/pdf/STLE_ORG/AM2017%20Presentations/Rolling%20Element%20Bearings/STLE2017_Rolling%20Element%20Bearings%20Roundtable%20Discussion%20presentation%20slides.pdf

DRT in 2018

https://www.stle.org/images/pdf/STLE_ORG/AM2018%20Presentations/AM%20Roundtable/STLE2018_Session%206L_H.%20Grillenberger_DRT_AM18_wrapup.pdf

Contact Information

For questions related to **Rolling Element Bearing (REB)** abstract submissions, please contact **Bryan Allison** (bryan.d.allison@skf.com) or **Daulton Isaac** (daulton.isaac.1@us.af.mil).

For questions related to the Discussion round tables (including application), please contact **Bryan Allison** (bryan.d.allison@skf.com) or **Hannes Grillenberger** (hannes.grillenberger@schaeffler.com).

For questions on any aspect of the 75th STLE Annual Meeting & Exhibition, please contact **Merle Hedland** at mhedland@stle.org.

Sincerely yours,

Bryan Allison
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2021 PSC – Rolling Element Bearings

Daulton Isaac
US Air Force Research Lab
2021 Vice PSC – Rolling Element Bearings