

## Fluid Film Bearings Technical Committee Call for Papers

74<sup>th</sup> STLE Annual Meeting & Exhibition, May 19-23, 2019  
Omni Nashville Hotel, Nashville, Tennessee (USA)

Dear colleagues,

The Fluid Film Bearings Technical Committee is pleased to announce the Call for Papers for the 74<sup>th</sup> STLE Annual Meeting & Exhibition that will be held on May 19-23, 2019 in Nashville, Tennessee.

The Fluid Film Bearings Technical Committee is pleased to announce **Professor Ilmar Ferreira Santos** will kick-off a special technical session "*Mechatronics of Journal Bearings*" with a 1-hour presentation on active bearing technology. Dr.-Ing, Dr.-Tech. Santos is a world-renown expert in mechatronics and controllable/active bearings and currently serves as Professor within the Mechanical Engineering Department of the Technical University of Denmark.

Theoretical and experimental studies dealing with various aspects of **liquid** and **gas fluid-film bearings** (hydrodynamic, hydrostatic, and hybrid) will be considered for presentations.

**For the Fluid Film Bearings Sessions, presentation topics include (but are not limited to):**

- bearings with active and passive control, sensors (e.g. smart bearings, smart lubricants, embedded systems);
- lubrication with non-Newtonian fluids, water, contaminated fluids (liquid/solid), refrigerants (two phase lubricants), and emulsions;
- transient operation of bearings and dynamic behavior (incl. cold starting at high loads, dynamics of ultra-high-speed bearings, self-induced and forced vibrations of machinery, resonance);
- compliant bearings (e.g. elastomer-lined marine bearings, PTFE coated bearings);
- mixed lubrication regime and stick-slip phenomena;

Please mark your calendar and submit your 100-150 word (1000-character hard limit) abstract (short) electronically to the online submission website (<https://stle2019.abstractcentral.com>) no later than:

**Monday, October 1<sup>st</sup>, 2018**

**New for STLE 2019, the Fluid Film Bearing Technical Committee will also be requesting the submission of an extended (1-page or 400 word) abstract by Friday, January 4, 2019 for those initially accepted presentation abstracts (short).**

With warm regards,

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Xuan Ma, Vice PSC, [maxuan@hrbeu.edu.cn](mailto:maxuan@hrbeu.edu.cn)

# Deadlines and Contacts

**Abstract submission deadline: October 1<sup>st</sup> 2018**

If you need additional information please contact:

<p><b>Paper Solicitation Chair (PSC)</b> <b>Technical Committee Vice Chair</b> <b>Technical Committee Secretary</b> Troy SNYDER The University of Akron Akron, OH, USA Email: <a href="mailto:tas38@zips.uakron.edu">tas38@zips.uakron.edu</a></p>	<p><b>Vice PSC</b> Xuan MA Harbin Engineering University Harbin, Heilongjian Province, China Email: <a href="mailto:maxuan@hrbeu.edu.cn">maxuan@hrbeu.edu.cn</a></p>
<p><b>Technical Committee Chair</b> Alex-Florian CRISTEA Senior Applications Engineer Waukesha Bearings Corporation Rickmansworth, Hertfordshire, UK Email: <a href="mailto:afloriancristea@waukbearing.com">afloriancristea@waukbearing.com</a></p>	<p><b>Annual Meeting Program Committee</b> Azzedine DADOUCHE Research Officer National Research Council Canada Ottawa, ON, Canada Email: <a href="mailto:Azzedine.Dadouche@nrc-cnrc.gc.ca">Azzedine.Dadouche@nrc-cnrc.gc.ca</a></p>

For questions on general information of the 2019 STLE Annual Meeting & Exhibition, please contact **Mr. Merle Hedland** at [mhedland@bacon-hedland.com](mailto:mhedland@bacon-hedland.com)