

Fluid Film Bearings Technical Committee

72nd STLE Annual Meeting & Exhibition, May 21-25, 2017, Hyatt Regency Atlanta, Atlanta, Georgia (USA)

Dear Colleagues,

The Fluid Film Bearings Technical Committee is pleased to announce the Call for Papers for the 72nd STLE Annual Meeting & Exhibition that will be held on May 21-25, 2017 in Atlanta, Georgia.

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

The presentations topics include (but are not limited to):

- reactive (passive) and controllable (active and semi-active) bearing designs (plain geometry and tilting pad bearings, foil bearings, new designs etc.);
- influence of chemical, thermal and mechanical material properties on bearing behavior and overall machinery performance (bearings with coatings, engineered surfaces and/or thick/thin liners; bearings with constant/linear/non-linear material properties);
- lubrication with non-Newtonian fluids, water, contaminated fluids (liquid/solid), refrigerants (two phase lubricants) and non-ideal gas mixtures;
- lubrication models with reviewed turbulence concepts, inertia and shock effects;
- transient, steady-state and linear/non-linear dynamic performance of bearings (incl. cold starting at high loads, dynamics of ultra-high speed bearings, self-induced and forced vibrations of machinery, resonance);

Please mark your calendar and submit your 100-150 word abstract electronically no later than:

October 1st, 2016

Information on the topic areas to be covered at the 2017 Annual Meeting can be found on www.stle.org. The processes and topic areas can be found under "Call for Papers". Please check the Session that says "**Fluid Film Bearings**".

Looking forward to welcome you to sunny Atlanta, Georgia.

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Deadlines and contacts

Abstract submission Deadline: October 1st 2016 – Submission of Presentation Abstract.

If you need further information please contact:

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For questions on general information of the 2017 STLE Annual Meeting & Exhibition, please contact **Mr. Merle Hedland** at mhedland@bacon-hedland.com