



## **Fluid Film Bearings/Seals: Call for Abstracts**

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

For the Fluid Film Bearings/Seals Session, 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 (including 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.
- seals and sealing technology
- lubrication technology and seal compatibility
- numerical modeling and simulation
- transient, steady-state and dynamic sealing performance
- enhanced seal surface finish, material, geometry and micro-topography
- seal failure mode analysis, condition monitoring and AI
- low friction technology for seals
- seals cooling and coolant

For more information and to submit your abstract, visit [www.stle.org/annualmeeting](http://www.stle.org/annualmeeting).