



# stle Atlanta

79th Annual Meeting & Exhibition • May 18-22, 2025

## Fluid Film Bearings/Seals Technical Committee Call for Abstracts

79<sup>th</sup> STLE Annual Meeting & Exhibition, May 18-22, 2025  
Hyatt Regency, Atlanta, Georgia (USA)

Dear colleagues,

The Fluid Film Bearings/Seals Technical Committee is pleased to announce the Call for Abstracts for the 79<sup>th</sup> STLE Annual Meeting & Exhibition that will be held between May 18 - 22, 2025 in Atlanta, Georgia.

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
- sowing friction technology for seals
- seals cooling and coolant

Please submit a 100-150 word abstract here : <https://stle2025.abstractcentral.com> and select the session as Fluid Film Bearings/Seals

Presentation abstract deadline: **October 4<sup>th</sup>, 2024**

Poster deadline: **March 1<sup>st</sup>, 2024**

With warm regards,

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## Contacts

For additional information, please contact:

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| <b>Fluid Film Bearings Technical Committee Chair</b><br>Bruce FABIJONAS<br>Kingsbury Inc.<br>Philadelphia, PA, USA<br>Email: <a href="mailto:brf@kingsbury.com">brf@kingsbury.com</a>                    | <b>Seals Technical Committee Chair</b><br>Lassad AMAMI<br>CETIM, 74 Route De La Jonetiere<br>Nantes, France<br>Email: <a href="mailto:lassad.amami@cetim.fr">lassad.amami@cetim.fr</a>                                  |
| <b>Technical Committee Vice Chair</b><br>Balint PAP<br>Safran Transmission Systems, France<br>Colombes, France<br>Email: <a href="mailto:balint.pap@safrangroup.com">balint.pap@safrangroup.com</a>      | <b>Annual Meeting Program Committee</b><br>Azzedine DADOUCHE<br>National Research Council Canada<br>Ottawa, ON, Canada<br>Email: <a href="mailto:Azzedine.Dadouche@nrc-cnrc.gc.ca">Azzedine.Dadouche@nrc-cnrc.gc.ca</a> |

For questions on general information of the 2025 STLE Annual Meeting & Exhibition, please contact **Mr. Merle Hedland** at [mhedland@bacon-hedland.com](mailto:mhedland@bacon-hedland.com)