



stle Atlanta

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

Call for abstracts in Materials Tribology

Dear Friends and Colleagues,

The Biotribology technical committee invites you to present your research in the **Biotribology** session to be held at the 79th Annual STLE Meeting and Exhibition in Atlanta, Georgia, US). *The session focuses on fundamental and applied aspects of tribology in living organisms (human, animals, plants) and interfaces between biological, natural and artificial systems*, covering a multi-disciplinary range of topics. Presentations will be either 40 minutes or 20 minutes, including discussion. Authors will have the opportunity to request either a 40 minute or 20 minute time slot during abstract submission.

Biotribology topics include, but are not limited to:

- Natural joints and ligaments
- Artificial tissue replacements, prostheses and implants
- Tribology of metals, ceramics, soft matter, polymers, and composites for biological applications
- Biomimetics
- Drug delivery: Oral dispersive medicines; injections: tissue-needle interaction.
- Ocular and skin tribology
- Haptics and personal care
- Oral processing and dental tribology
- Sports Tribology: Sports surfaces; equipment grip, snow and ice sports, low-friction design
- Biolubricants
- Tribology of natural phenomena: Earthquakes; avalanches; landslip

Submission deadline for abstracts is **October 4th, 2025**. To submit an abstract, please visit <https://stle2025.abstractcentral.com/> and select the “Biotribology” topic during submission.

Biotribology will participate in a joint session “Tribology of Biomaterials” in conjunction with the Materials Tribology technical committee. Please see the call for papers included below.

For all questions on the Biotribology session, please contact
Quentin Allen at **quentin_allen@byu.edu**

Sincerely yours,
Quentin Allen, Paper Solicitation Chair (PSC)
Kartik Pondicherry, Vice Paper Solicitation Chair
Catherine Fidd, Secretary
Marcus Wimmer, Vice Chair
Mark Masen, Vice Chair
Angela Pitenis, Chair