



**Society of Tribologists and
Lubrication Engineers
74th Annual Meeting
& Exhibition**

**Call for abstracts in
Materials Tribology**

Dear Friends and Colleagues,

The Materials Tribology technical committee invites you to present your research in the **Materials Tribology & Nanotribology Joint Session on 2D Materials** to be held at the 74th Annual Meeting of STLE. This conference is the premier event for the tribology and lubricant communities and will be held **May 19-23, 2019** in **Nashville, Tennessee**.

In this joint session of the Materials Tribology and Nanotribology technical committees, we would like to highlight research that focuses on 2D materials (such as but not limited to metal dichalcogenides, graphene, h-BN, etc.) for tribological applications. We encourage experimental and simulation studies as well as investigations that link the two. The abstract submission deadline is **October 1st, 2018**. To submit an abstract, please visit the STLE website, <https://stle2019.abstractcentral.com>. Please remember to select “2D Materials Joint Session” as your topic when you submit your abstract.

Suggested topics within this focus area include, but are not limited to:

- Mechanistic interpretations of nanoscale behaviors & links to macroscale
- Impact of aging, degradation & environmental sensitivities of 2D materials on tribological behavior
- Simulations & modeling of interlamellar interactions in 2D materials
- Strain engineering studies & tuning of 2D material properties
- Understanding lamellar solids in the context of lamellar interactions
- Role of surface functionalization in 2D materials on tribological behavior
- Synthesis-Structure-Property relationships of 2D Materials
- Tribochemical interactions between 2D material interfaces

For all questions on the Materials Tribology session, please contact

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Materials Tribology Technical Committee

Co-Chair, **2D Materials** Joint Session

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Nanotribology Technical Committee

Co-Chair, **2D Materials** Joint Session