



Society of Tribologists and Lubrication Engineers

CALLS FOR ABSTRACT SUBMISSION in NANOTRIBOLOGY SESSIONS

<https://www.stle.org/annualmeeting>

May 3-7, 2020 at the Hyatt Regency Chicago, Illinois

Joint Session on 2D Materials

Dear friends and colleagues,

On behalf of the technical committees in **Nanotribology** and **Materials Tribology**, we invite you to present your research at the **Joint Session on 2D Materials** of the 75th STLE Annual Meeting and Exhibition. You may submit an abstract to the 2D Materials session through STLE's online abstract submission portal [using this link](#). Remember to indicate the “*2D Materials joint session*” as your topic during the abstract submission process. If possible, please add keywords at the end of your abstract which will ensure that no scheduling conflicts will arise. Please note that the deadline for submission is **Tuesday, October 1st, 2019**.

In this joint session, we would like to highlight the research that focuses on 2D materials (such as but not limited to graphene and metal dichalcogenides families) for tribological applications. We encourage experimental and simulation studies as well as investigations that link the two. Suggested topics within this focus area include, but are not limited to:

- Mechanistic interpretations of nanoscale tribological behavior of 2D material & links to macroscale behavior
- 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 techniques of 2D materials on tribological behavior
- Advanced deposition techniques of 2D materials for tribological applications
- Macro- or nano- tribological behavior of 2D heterostructures

For all questions, please contact one of the co-chairs below.
Sincerely yours,

Mary Makowiec, Ph.D.

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Materials Tribology Technical Committee

Co-chair for the 2D Materials Joint Session

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Nanotribology Technical Committee

Co-chair for the 2D Materials Joint Session