

Speaker



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Stick-slip Dynamics for Unsteady Wetting on Soft Solids

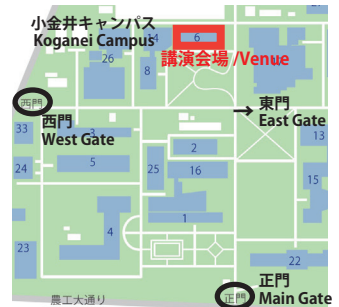
Date and Time

**Monday
July 3, 2023
14:30 - 15:30**

Place

東京農工大学
小金井キャンパス
6号館5階501南セミナー室

Room 501 South, 5F, Building 6,
Koganei Campus, TUAT

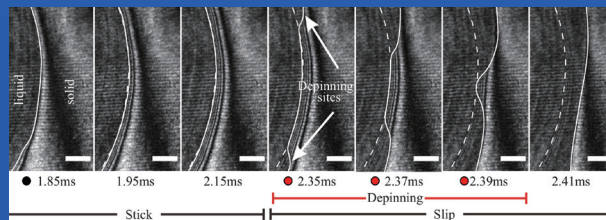


Zoom

Meeting ID: 826 0337 3453
Passcode: 825841

Abstract

In this talk, I will discuss studies for unsteady spreading of liquids on soft solids, a situation in which liquid spreading and solid deformation occur spontaneously at the three-phase contact line (CL). I show that stick-slip results from a competition between liquid spreading rate and solid viscoelastic reacting rate. I demonstrate that this CL behavior can be described and controlled by considering growing deformation of soft solids as dynamic surface heterogeneities.



This may provide an understanding of unsteady wetting phenomena that have broad

applicability in additive manufacturing, fabrication of flexible electronics, and biomedicine.

言語 / 英語
Language / English

どなたでもご聴講いただけます
Everyone is welcome to attend.