

## 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

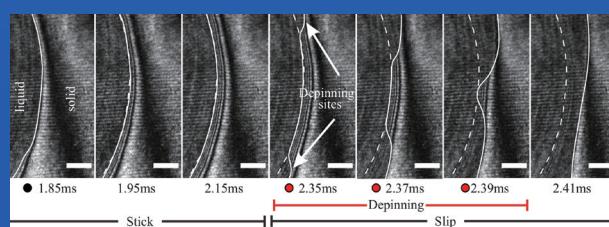
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グローバルイノベーション研究院  
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■共催 / Co-organized by  
グローバルイノベーション研究院  
ライフサイエンス分野 田川チーム  
Institute of Global Innovation Research  
"Life Science" Tagawa Team  
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## 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 / English

Language / English

どなたでもご聴講いただけます

Everyone is welcome to attend.