

**Event of ASME Technical Committee on Mechanics of Soft Materials 2020:
live symposium and committee meeting**

Organizer: ASME Technical Committee on Mechanics of Soft Materials, including Sung Hoon Kang (Chair, JHU), Qiming Wang (Vice-chair, USC), Victor Lefevre (Secretary, Northwestern), and Yuhang Hu (Editor, Gatech)

Date: Nov 15, 2020, 12 pm-6 pm EST (9 am-3 pm PST)

Link: <https://usc.zoom.us/j/4877520911> **Meeting ID:** 487 752 0911

Session 1: Understanding elastomer networks	
Chair: Qiming Wang, Yuhang Hu	
Time: 12-2:20 pm EST, Nov 15 2020	
12-12:40	Invited keynote speaker: Sanjay Govindjee (UC Berkeley) Title: Soft and Semi-Soft Elasticity for Liquid Crystal Elastomers: An Overview
12:40-1	Shaoting Lin (MIT) Title: Universal Fracture of Polymer Networks with Topological Defects
1-1:20	Nikolaos Bouklas (Cornell) Title: Damage and fracture in polydisperse elastomer networks
1:20-1:40	Qiming Wang (USC) Title: Mechanics of Self-Healing Thermoplastic Elastomers
1:40-2	Pratik Khandagale (CMU) Title: Statistical Field Theory Model for Elastomers
2-2:20	Pedro Peralta (ASU) Title: Effects of High Pressure on Structural Evolution of Polyurea: An In-Situ Energy Dispersive X-Ray Diffraction Study
Session 2: Stimuli-responsive soft materials	
Chair: Sung Hoon Kang, Victor Lefevre	
Time: 2:30-4:50 pm EST, Nov 15 2020	
2:30-3:10	Invited keynote speaker: Shengqiang Cai (UCSD) Title: Mechanics of Liquid Crystal Elastomer
3:10-3:30	Sung Hoon Kang (JHU) Title: Strain Rate-Adaptive Extreme Energy Absorption via Architected Liquid-Crystalline Elastomers
3:30-3:50	Christopher Cooley (Oakland) Title: Nonlinear Dynamics of a Dielectric Elastomer Membrane Under Compressive Loading
3:50-4:10	Victor Lefevre (Northwestern) Title: Electroelastic Response of Isotropic Dielectric Elastomer Composites with Deformation-Dependent Apparent-Permittivity Matrix
4:10-4:30	Kiana Naghibzadeh (CMU) Title: Modeling of Surface Growth Using an Eulerian Approach
4:30-4:50	Dongjing He (Gatech) Title: Rate-Dependent Indentation Adhesion of Hydrogel
Session 3: Committee meeting for ASME Technical Committee on Mechanics of Soft Materials	
Chair: Qiming Wang, Victor Lefevre, Yuhang Hu	
Time: 5-6 pm EST, Nov 15 2020	
Topics:	
<ol style="list-style-type: none"> 1. Topics of ASME IMECE 2021 symposium on mechanics of soft materials (MOSM) 2. Nomination for the new Editor for ASME Technical Committee on MOSM 	

Detailed zoom invitation

Topic: Live symposium of Mechanics of Soft Materials

Time: Nov 15, 2020 09:00 AM Pacific Time (US and Canada)

Join Zoom Meeting

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149.137.40.110 (Singapore)

64.211.144.160 (Brazil)

69.174.57.160 (Canada)

207.226.132.110 (Japan)

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