



Call for Papers

3D Printed Soft Materials

Track 12: Mechanics of Solids, Structures, and Fluids

Topic 12-51: Mechanics of Soft Materials

Submit abstracts at:

<http://www.asmeconferences.org/IMECE2016/CallForPapersDetail.cfm>

Deadline: March 7, 2016

Dear Colleagues,

We would like to invite you to submit an abstract to the session on **3D Printed Soft Materials** at the ASME 2016 IMECE to be held from November 11 to November 17, 2016 in Phoenix, AZ.

Additive manufacturing, also known as 3D printing, offers unique opportunities to explore novel properties and mechanics of soft materials. This session calls papers from research efforts related to soft materials with novel properties realized or created using 3D printing techniques. Specific topics of interest include, but not limited to:

- Soft metamaterials with novel properties, such as acoustic properties, negative Poisson's ratio, etc.
- Printed active composites that achieve its actuation through spatially controlling the allocation of soft active materials
- Novel printing technologies with improved accuracy or with new printable materials
- Design theory or methodology for soft materials that will be realized through 3D printing
- Mechanics of 3D printed materials, such as their constitutive behaviors and fracture behaviors
- Applications of printed soft materials

Please be reminded to submit your abstract to **Topic 12-51: Mechanics of Soft Materials** to participate in our session. Should you have any questions, please feel free to contact us.

We look forward to receiving your contributions and seeing you in Phoenix.

Session Organizers

Howon Lee, Assistant Professor, Rutgers University, New Brunswick, NJ

H. Jerry Qi, Associate Professor, Georgia Institute of Technology, GA

Sung Hoon Kang, Assistant Professor, Johns Hopkins University, Baltimore, MD

Yaning Li, Assistant Professor, University of New Hampshire, Durham, NH