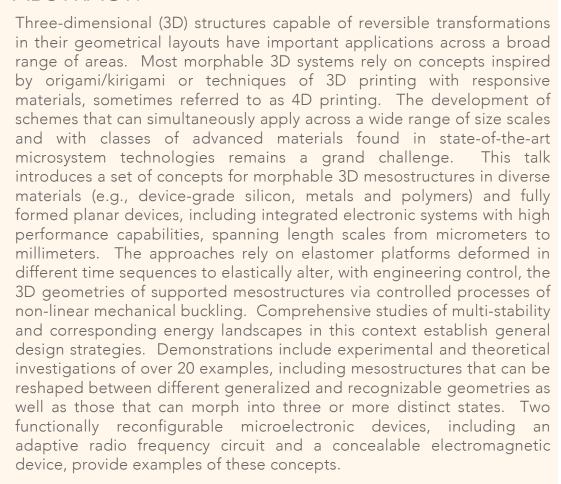
Sep 06, 2018

Morphable 3D Mesostructures and Microelectronic Devices by Multistable Buckling Mechanics

ABSTRACT:





Yihui Zhang

Associate Professor,
Department of Engineering
Mechanics,
Tsinghua University,
Beijing, China

BIOGRAPHY:

Yihui Zhang is an Associate Professor of Engineering Mechanics at Tsinghua University. He received his Ph.D. in engineering mechanics from Tsinghua University in 2011. Then he worked as a Postdoctoral Fellow from 2011 to 2014 and as a Research Assistant Professor from 2014 to 2015, both at Northwestern University. He joined the Department of Engineering Mechanics at Tsinghua University in 2015, and was tenured in 2018. His research interests include mechanically guided 3D assembly, soft composite materials and stretchable electronics. He has published more than 80 peer-reviewed journal papers, including 2 in Science, 11 in Nature sister journals, 2 in Science Advances, 4 in PNAS and 8 in JMPS. His recent awards include ASME Sia Nemat-Nasser Early Career Award (2018), Society of Engineering Science's Young Investigator Medal (2018), Eshelby Mechanics Award for Young Faculty (2017), ASME Melville Medal (2017), Journal of Applied Mechanics Award (2017), MIT Technology Review's 35 Innovators Under 35 (TR35 Award) (2016), and Qiu Shi Outstanding Young Scholar Award (2016). He is an associate editor of the Journal of Applied Mechanics (ASME Transactions), and serves on the editorial board of several academic journals including Proceedings of the Royal Society A and npj Flexible Electronics.