



Professor Teng Li

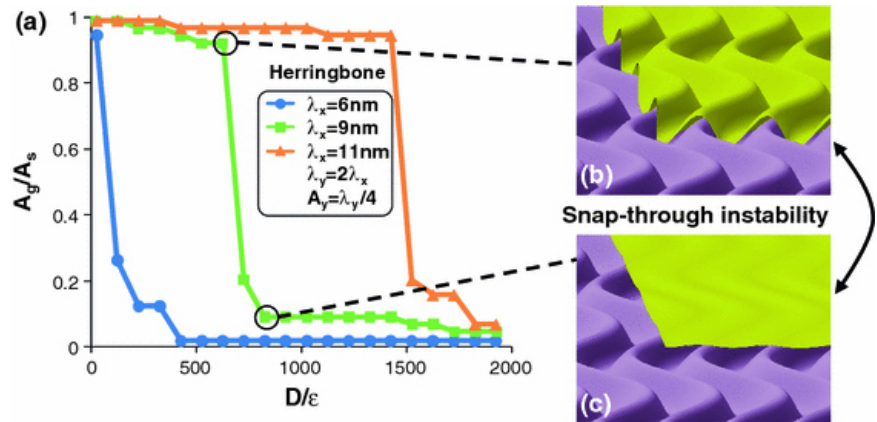


Fig. 2 from: T. Li, Z. Zhang, “Snap-through instability of graphene on substrates”, *Nanoscale Research Letters*, DOI: 10.1007/s11671-009-9460-1 (2009). “At a threshold value of D/ϵ , the graphene morphology snaps between two distinct states: **b** closely conforming to the substrate surface and **c** remaining nearly flat on the substrate surface”

See:

<http://www.enme.umd.edu/faculty/li>

<http://lit.umd.edu/>

<https://scholar.google.com/citations?user=6YjUuQUAAAJ&hl=en>

Department of Mechanical Engineering
University of Maryland, College Park, Maryland USA

Research Interests:

Mechanics of the micro/nano structures in flexible macroelectronics and nanoelectronics
Mechanics of low-dimensional carbon materials (graphene, CNTs, CNSs)
Deformation instability of thin films and multilayers
Biomechanics of membrane and cytoskeleton in cells

Education:

Ph.D., Harvard University, 2006

Honors and Awards:

Society of Engineering Science (SES) Young Investigator Medal, 2016
E. Robert Kent Outstanding Teaching Award, 2012
The Ralph E. Powe Junior Faculty Enhancement Award, 2007

Professional Service:

1. Founder and Editor of www.macroelectronics.org, an interactive information platform for the emerging field of flexible macroelectronics

2. One of the two architects of www.imechanica.org, an online international community of Mechanics and Mechanicians
3. Member, Technical Committee on Integrated Structures, American Society of Mechanical Engineers

Selected Publications:

- Zheng Jia and Teng Li, “Failure Mechanics of a Wrinkling Thin Film Anode on a Substrate under Cyclic Charging and Discharging”, *Extreme Mechanics Letters*, accepted, 2016 (DOI:doi:10.1016/j.eml.2016.03.006)
- T. Li, Z. Zhang, “Snap-through instability of graphene on substrates”, *Nanoscale Research Letters*, DOI: 10.1007/s11671-009-9460-1 (2009).
- T. Li, “ A mechanics model of microtubule buckling in living cells”, *Journal of Biomechanics*, 41, 1722-1729 (2008).
- S.P. Lacour, T. Li, D. Chan, S. Wagner, and Z. Suo, “ Mechanisms of reversible stretchability of thin metal films on elastomeric substrates”, *Applied Physics Letter*, 88, 204103 (2006).
- T. Li, Z. Suo, S.P. Lacour, S. Wagner, “Compliant thin film patterns of stiff materials as platforms for stretchable electronics”, *Journal of Materials Research*, 20, 3274-3277 (2005).
- Sigurd Wagner, Stephanie P. Lacour, Joyelle Jones, Pai-hui I. Hsu, James C. Sturm, Teng Li and Zhigang Suo, “Electronic skin: architecture and components”, *Physica E*, Vol. 25, pp 326-334, 2004