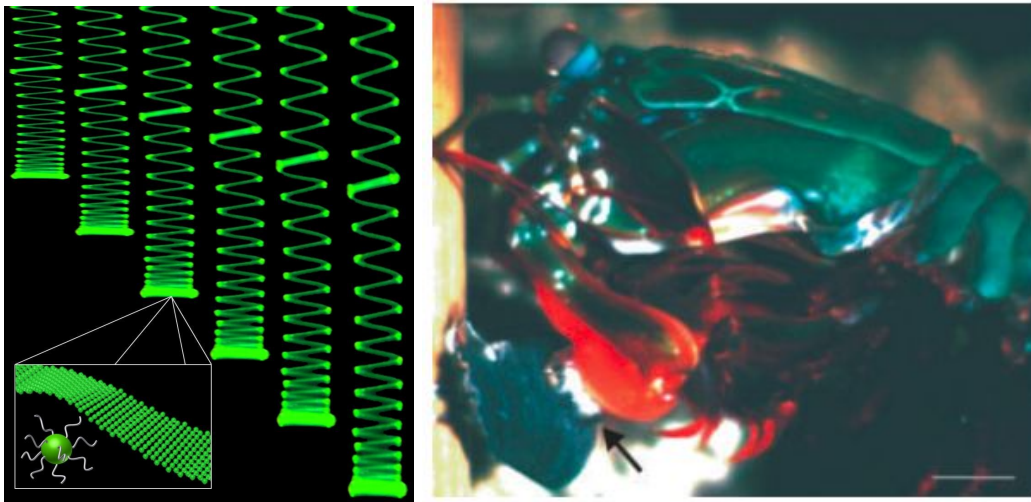


Postdoctoral Position Available. Applications are currently being accepted for a unique postdoctoral position within a multi-university, interdisciplinary team of researchers focused on the fundamental principles that describe extremely rapid, impulsive motion in biological and bio-inspired engineered systems. Specifically, an energetic and engaged team member with a strong background in applied mathematics, physics, mechanics, or biomechanics is sought to aid in the development of a unifying mathematical framework to describe the physics of impulsive motion. The expertise of team members ranges from robotics and materials science, to biomechanics and evolutionary biology. The hired post-doc will have the opportunity to work across disciplines and move between labs including the Patek lab (<https://pateklab.biology.duke.edu/our-lab>) at Duke University, the Wood lab (<https://www.seas.harvard.edu/directory/rjwood>) at Harvard University, the Bergbreiter lab (<https://sites.google.com/site/microroboticslaboratory/>) at University of Maryland, the Azizi lab (<http://azizi.bio.uci.edu/>) at UC Irvine, and the Crosby lab (www.pse.umass.edu/acrosby) at UMass Amherst. Successful applicants will have a strong quantitative and mathematical background, a desire for or history of working on an interdisciplinary team, as well as strong writing and presenting skills. The initial appointment is for one year with potential for renewal for an additional year. Interested applicants should send cover letter, CV, and a list of three references to Professor Al Crosby at acrosby@umass.edu. Application materials will be shared with the other co-PIs.



Left: Polymer-nanoparticle hybrid helices (Pham, et al., *Adv. Mat.*, 2013). Right: Mantis shrimp hammer mechanics. (Patek, et al, *Nature*, 2004).