

Nature@Noon

Tough Stuff: Exploring the Material World of Nature

A Zoom presentation by Dr. Dhruv Bhate

Wednesday, October 28th, noon-1 p.m.

Register via Zoom [at this link.](#)

The natural world is filled with materials that are strong but lightweight, that can resist or heal fractures, absorb shocks but not collapse, or bend and not break. These strategies offer a wealth of inspiration for creating new human-made materials.

Join ASU engineering faculty Dhruv Bhate to learn more about how nature combines materials and structures to optimize mechanical performance in everything from honeycombs and luffa seedpods to sea sponges and animal skeletons. Discover how these strategies have inspired material innovation for use on earth—and in space!



Dr. Dhruv Bhate

Dr. Dhruv Bhate is an associate professor of engineering at ASU's Polytechnic Campus. His research has received corporate and government support, including recent grants from the National Aeronautics and Space Administration (NASA) for the development of bio-inspired 3D-printed structures for use in spacecrafts.



Nature@Noon is a series of workshops that explores the collection of ASU's new NatureMaker library and its potential to inspire sustainable innovation. NatureMaker is a collaboration between the Biomimicry Center and the ASU Library.