



## **Multiple Positions on Soft Robotic Materials and Mechanical Metamaterials at NTU Singapore**

Dr. Yifan Wang is looking for several PhD students and Postdocs on “Soft Robotic Materials and Mechanical Metamaterials”. Candidates with strong background and enthusiasm in experimental soft matter, mechanics, nanoscale materials and robotics are welcome to apply. If interested, please email Dr. Wang ([nafiywang@gmail.com](mailto:nafiywang@gmail.com)) with your CV to discuss potential opportunities.

The goal of this research project is to design and manufacture new classes of structured materials with unprecedented capabilities of sensing, responding to and communicating with their surrounding environment, by incorporating soft matter building blocks such as granular particles, colloids and nanoparticles. The applications of this project extend from smart textiles for exoskeleton and haptic perception, microscale shape-changing robots, to active phononic metamaterials.

Dr. Yifan Wang is a Nanyang Assistant Professor (an elite professorship awarded by NTU) in the School of Mechanical and Aerospace Engineering at Nanyang Technological University, starting from January 2021. Dr. Wang did his postdoctoral study in Department of Mechanical and Civil Engineering at California Institute of Technology. He obtained his PhD degree in soft matter physics from The University of Chicago in 2016, and a bachelor’s degree in physics from Peking University in 2011. He has authored many publications in prestigious journals (<https://scholar.google.com/citations?user=eBWk2MQAAAAJ&hl=en>), including *Physical Review Letters*, *Nano Letters*, *ACS Nano*, *Nature Materials*, *Advanced Materials*, *Extreme Mechanics Letters*, etc.