Tensegrity

While a part UTD’s NanoExplorers Program, I conducted research on integrating nylon-66 artificial into tensegrity structures in order to create adaptable and lightweight robots.

* Designed, fabricated and tested icosahedron and serpentine tensegrity robots controlled by the contractions of the artificial muscles to explore the possibility of the muscles in use as lightweight actuators in tensegrity structures.
* Presented work at a public symposium at UTD to demonstrate possibility of compact, flexible, and adaptive robots by integrating the nylon artificial muscles into