

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Stereolithography Printing with SiIDNs

File Name: Supplementary Movie 2

Description: 3D Printed Surgical Simulator

File Name: Supplementary Movie 3

Description: Representative 90° Peel Tests

File Name: Supplementary Movie 4

Description: Steep and Shallow Stiffness Gradients from SiIDNs

File Name: Supplementary Movie 5

Description: 3D Printed Interlocking SiIDN Assemblies

File Name: Supplementary Movie 6

Description: Orthotic Glove with Dexterous Manipulation

File Name: Supplementary Movie 7

Description: Cyclic Donning and Doffing of Orthotic Glove 10 Months after Assembly

File Name: Supplementary Movie 8

Description: Bellows Actuator Attached to Flexible PCB