

Description of Additional Supplementary Files

Supplementary Movie 1: Cold-draw programming and recovery

Supplementary Movie 2: Cold-programmed wave structure

Supplementary Movie 3: Cold-programmed helices structure

Supplementary Movie 4: Cold-programmed hand structure

Supplementary Movie 5: Cold-programmed dual-direction panel structure

Supplementary Movie 6: Two-stage cold-programmed shape morphing

Supplementary Movie 7: Cold-programmed straw with micro-hinge

Supplementary Movie 8: g-DLP printing of hinge structure