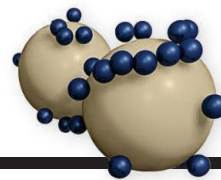


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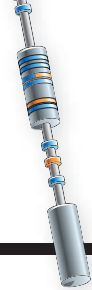
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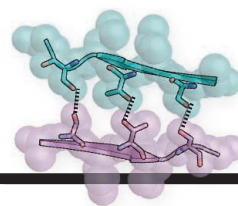
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ON THE COVER



Computational results for the dynamic transformation of a planar, two-dimensional structure into an extended, three-dimensional open framework. Controlled buckling follows from compressive forces that act at precise locations across the structure upon release of prestrain in an elastomeric substrate. This example uses microscale ribbons of silicon, with potential applications in electronic circuits, battery anodes, photodetectors, and other semiconductor devices. See pages 130 and 154 and see scim.ag/6218_vid for a related video. *Illustration: John Rogers, Yihui Zhang, and C. Bickel/Science*

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