

Cover image: Three-dimensional atomic level simulations of the absorption of a line defect (screw dislocation) into a nanoscale, coherent internal interface (twin boundary) in copper. The pre-existing partial dislocation (green atoms at far end) in the twin boundary prevents absorption through the long-range elastic interaction with the impinging screw. Atoms are colored by the central symmetry parameter. See the article by Zhu *et al.* on pages 3031–3036. Image courtesy of Ting Zhu, Ju Li, and Subra Suresh.

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