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Surface-tension-driven nanoelectromechanical relaxation oscillator B.C. REGAN, S. ALONI, K. JENSEN, A. ZETTL, Department of Physics, UC Berkeley, and Materials Sciences Division, LBNL, Berkeley, California 94720 — We have developed a nanoelectromechanical relaxation oscillator with a surface-tension-driven power stroke. The oscillator consists of two liquid metal droplets exchanging mass, and its frequency is directly controlled with a low-level DC electrical voltage. Video of the device as observed by transmission electron microscope will be shown.

B.C. Regan

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