

**Miniaturization of Explosive Technology and Microdetonics****D. Scott Stewart***Department of Theoretical and Applied Mechanics, University of Illinois,
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Condensed phase explosives used in conventional explosive systems have a charge size on the order of a meter or a sizable fraction of a meter. We discuss a range of issues, theoretical, computational and experimental required to scale the size of explosive systems downwards by a factor of one hundred to one thousand, and applications and prospects for a ubiquitous new technology.

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