

**WITHDRAWN: VPIN and the flash crash**Torben G. Andersen^{a, b, c}, , , Oleg Bondarenko^{d, 1}, ^a Kellogg School of Management, Northwestern University, 2001 Sheridan Road, Evanston, IL 60208, United States^b NBER, United States^c CREATES, Denmark^d Department of Finance (MC 168), University of Illinois at Chicago, 601 S. Morgan St., Chicago, IL 60607, United States<http://dx.doi.org/10.1016/j.finmar.2012.10.001>, [How to Cite or Link Using DOI Permissions & Reprints](#)

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