

Name: **Doug James**

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Professional Activities

- Member, Advisory Board, ACM SIGGRAPH 2009
- Member, Program Committee, ACM SIGGRAPH 2009
- Member, Program Committee, ACM SIGGRAPH ASIA 2008
- Chair, ACM SIGGRAPH/Eurographics Symposium on Computer Animation 2008
- Chair, ACM Student Research Competition for ACM SIGGRAPH 2008
- Associate Editor, *ACM Transactions on Graphics*
- Member, Editorial Board, *Graphical Models*

Publications

- "Six-DoF haptic rendering of contact between geometrically complex reduced deformable models," *IEEE Transactions on Haptics*, 1(1):39–52, 2008 (with J. Barbič)
- "Optimizing Cubature for Efficient Integration of Subspace Deformations," *ACM Transactions on Graphics (SIGGRAPH ASIA Conference Proceedings)*, 27(5), December 2008, pp. 164:1-164:11 (with Steven An and Theodore Kim)
- "Staggered Projections for Frictional Contact in Multibody Systems," *ACM Transactions on Graphics (SIGGRAPH ASIA Conference Proceedings)*, 27(5), December 2008, pp. 164:1-164:11 (with D.M. Kaufman, S. Sueda, and D.K. Pai)
- "Fast Modal Sounds with Scalable Frequency-Domain Synthesis," *ACM Transactions on Graphics (ACM SIGGRAPH 2008)*, 27(3), August 2008, pp. 24:1-24:9 (with N. Bonneel, G. Drettakis, N. Tsingos and I. Viaud-Delmon).
- "Backward Steps in Rigid Body Simulation," *ACM Transactions on Graphics (ACM SIGGRAPH 2008)*, 27(3), August 2008, pp. 25:1-25:10 (with C.D. Twigg).
- "Wavelet Turbulence for Fluid Simulation," *ACM Transactions on Graphics (ACM SIGGRAPH 2008)*, 27(3), August 2008, pp. 50:1-50:6 (with T. Kim, N. Thuerey and M. Gross).
- "Simulating Knitted Cloth at the Yarn Level," *ACM Transactions on Graphics (ACM SIGGRAPH 2008)*, 27(3), August 2008, pp. 65:1-65:9 (with J. Kaldor and S. Marschner).

Lectures

- "Multi-Sensory Physics and User Interaction," *ACM SIGGRAPH 2008 Classes, "Real-Time Physics,"* Los Angeles, California, August 11-15, 2008.
- Invited Speaker, Computer Graphics Group Annual Retreat, MIT, September 19-20, 2008.

New Honors

- Fellow, Alfred P. Sloan Research (2006-2009)

- Recipient, NSF CAREER Award