



Dr. Daniel Bodony

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Professional & Research Experience

- 2015– Donald Biggar Willet Faculty Scholar, University of Illinois at Urbana-Champaign.
- 2014– Blue Waters Associate Professor, Aerospace Engineering Department, University of Illinois at Urbana-Champaign.
- 2013– Associate Professor, Aerospace Engineering Department, University of Illinois at Urbana-Champaign.
- 2006–2013 Assistant Professor, Aerospace Engineering Department, University of Illinois at Urbana-Champaign.
- 2006– Affiliate Professor, Mechanical Science and Engineering Department, University of Illinois at Urbana-Champaign.
- 2005–2006 Research Associate, Center for Turbulence Research, Stanford University.
- 2004–2005 Post-doctoral Research Fellow, Center for Turbulence Research, Stanford University.

Education

- Stanford University, Ph.D. in Aeronautics and Astronautics, December, 2004. Advisor: Professor S. K. Lele.
- Purdue University, M.S. in Aeronautics and Astronautics, December, 1999. Advisor: Professor G. A. Blaisdell.
- Purdue University, B.S. in Aeronautics and Astronautics, May, 1997.

Summary

Professor Bodony is interested in unsteady flow phenomena, with a particular emphasis on flows that generate sound, using large scale simulations (large-eddy and direct numerical simulations) and analytical methods. His research includes high-speed flows (e.g., the noise produced by modern turbo-fan engines) and low-speed flows (e.g., the sound produced during turbulent combustion and by the human voice). His work also includes studying high-Reynolds-number fluid-thermal-structure interaction and developing numerical methods suitable for exascale-class supercomputers.

Further Work Link <http://acoustics.ae.uiuc.edu>

[Bio CV](#)