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Education:

08/2002 – Present, University of Arizona	Ph.D., Planetary Science
09/1998 – 06/2002, Gustavus Adolphus College	B.A., Physics, Geology

Publications:

- Bland, M. T., A. P. Showman, and G. Tobie 2007. The coupled orbital-thermal evolution of Ganymede and the evolution of its ice shell. *Icarus*, in prep.
- Bland, M. T., A. P. Showman, and G. Tobie 2007. The production of Ganymede's magnetic field: Influence of the orbital-thermal evolution of the Galilean Satellites. *Icarus*, in prep.
- Bland, M. T., R. A. Beyer, and A. P. Showman 2007. Unstable extensional of Enceladus' lithosphere. *Icarus*, **192**, 92-105.
- Bland, M. T. and A. P. Showman 2007. The formation of Ganymede's grooved terrain: Numerical modeling of extensional necking instabilities. *Icarus*, **189**, 439-456.

Selected Conference Abstracts:

- Bland, M.T., A.P. Showman, and G. Tobie (2007). Ganymede's thermal and orbital evolution. *DPS conf.*, #11.02.
- Bland, M.T., R.A. Beyer, and A.P. Showman (2007). The ancient heat flow and elastic thickness on Enceladus: Constraints from photoclinometry and numerical modeling. *LPSC XXXVII*, #1653.
- Bland, M.T. and A.P. Showman (2006). Unstable extensional tectonics on Enceladus. *DPS conf.*, #24.04.
- Bland, M.T. and A.P. Showman (2006). Tectonic resurfacing of icy satellites: Application to Ganymede and Enceladus. *LPSC XXXVII*, #1417.
- Bland, M.T. and A.P. Showman (2005). Tectonic resurfacing of icy satellites via extensional necking instabilities: application to Ganymede's grooved terrain. *Fall AGU*, #P11B-0108.
- Bland, M. and A.P. Showman (2004). Numerical modeling of extensional necking instabilities: application to Ganymede's grooved terrain. *DPS conf.*, #16.13.
- Bland, M., Dehn, J. and Dean, K (2001). Thermal time series of the 2000 eruption of Bezymianny volcano, an attempt at thermal interferometry. *Fall AGU conf.*, #V42C-103.

Awards, Fellowships, and Scholarships:

- 2007: *NASA Earth and Space Science Fellowship*
- 2007: *Gerard P. Kuiper Award, University of Arizona*
- 2005: *Galileo Circle Scholarship*
- 2003, 2004, 2005, 2006, 2007: *Graduate Fee Waiver Scholarship*
- 2002: *Member, PHI BETA KAPPA Honorary Society*
- 1998, 1999, 2000, 2001: *Partners in Scholarship Award, Gustavus Adolphus College*
- 1998, 1999, 2000, 2001: *3M Merit Scholarship*