***Devin R. Berg: Curriculum Vitae***

***Professional Preparation****:*

University of Wisconsin-Madison (Madison, WI). *Mechanical Engineering, B.S.* 2008.  
University of Minnesota (Minneapolis, MN). *Mechanical Engineering, M.S.* 2011.   
University of Minnesota (Minneapolis, MN). *Mechanical Engineering, Ph.D.* 2013.

***Appointments****:*

* August 2016-Present: Associate Professor, Engineering & Technology Department, University of Wisconsin-Stout.
* April 2015-Present: Program Director, B.S. Mechanical Engineering, University of Wisconsin-Stout.
* August 2012-July 2016: Assistant Professor, Engineering & Technology Department, University of Wisconsin-Stout.
* January 2014-May 2016: Program Director, B.S. Manufacturing Engineering, University of Wisconsin-Stout.
* January 2012-May 2012: Adjunct Faculty, Department of Mechanical Engineering, University of St. Thomas.
* September 2008-May 2012: 3M Science and Technology Fellow, University of Minnesota.

***Selected Products:***

**Berg, D.R.,** Li, P.Y., and Erdman, A.G. (2018) Selection of Artificial Muscle Actuators for a Continuum Manipulator. *IEEE/ASME Transactions on Mechatronics*, 2018. under review

**Berg, D.R.** and Li, P.Y. (2018) Hydraulic Valve for Miniature Surgical Robot Applications. *Advanced Robotics*, 2018. under review

Coulson, R.\*, Kirkpatrick, M.\*, Robinson, M.\*, Donahue, M., and **Berg, D.R.** (2018) User Testing of a Continuum Manipulator for Assistive Technology. *Proceedings of the 2018 Rehabilitation Engineering and Assistive Technology Society of North America Annual Conference*, Arlington, VA. under review

**Berg, D.R.**, Li, P.Y., and Erdman, A.G. (2012) Achieving Dexterous Manipulation for Minimally Invasive Surgical Robots Through the Use of Hydraulics. *Proceedings of the ASME Dynamic Systems and Control Conference*, Fort Lauderdale, FL.

**Berg, D.R.**, Kinney, T.P., Li, P.Y., and Erdman, A.G. (2011). Determination of Surgical Robot Tool Force Requirements Through Tissue Manipulation and Suture Force Measurement. *Proceedings of the Design of Medical Devices Conference,* Minneapolis, MN.

**Berg, D.R.**, (2013) Design of a Hydraulic Dexterous Manipulator for Minimally Invasive Surgery. PhD Dissertation. University of Minnesota - Twin Cities, Minneapolis, MN.

*\*Undergraduate student authors.*