

## SARAH A. BENTIL, Ph.D.

MAY 2023

ADDRESS: Iowa State University of Science and Technology  
Department of Mechanical Engineering  
2104 H.M. Black Engineering Building  
2529 Union Drive  
Ames, IA 50011-2030  
TEL: +1 515 294-8528  
FAX: +1 515 294-3261  
EMAIL: sbentil@iastate.edu  
WEBSITE: <http://www.me.iastate.edu/sbentil/>

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### PUBLICATIONS

KEY: **Postdoctoral scholars** **Graduate students** **Undergraduate students**

#### PAPERS IN CONFERENCE PROCEEDINGS, BULLETINS, OR REPORTS

1. H. Liu, S. Laflamme, EM. Zellner, **SA. Bentil**, IV. Rivero, TW. Secord, and A. Tamayol (2021). Corrugated Compliant Capacitor towards Smart Bandage Application. In: *2021 IEEE International Instrumentation and Measurement Technology Conference (I2MTC)*, pp.1–6. doi: [10.1109/I2MTC50364.2021.9459892](https://doi.org/10.1109/I2MTC50364.2021.9459892).
2. **OF. Afuwape**, J. Runge, **SA. Bentil**, and DC. Jiles (2021). Comparison of Coil Designs for Transcranial Magnetic Stimulation of a Pig Model. In: *43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, pp.1535–1538. doi: [10.1109/EMBC46164.2021.9629707](https://doi.org/10.1109/EMBC46164.2021.9629707).
3. **OF. Afuwape**, WM. Kiarie, **SA. Bentil**, and DC. Jiles (2021). Mechanical Analysis of the Quadruple Butterfly Coil during Transcranial Magnetic Stimulation and Magnetic Resonance Imaging. In: *43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, pp.1504–1507. doi: [10.1109/EMBC46164.2021.9629750](https://doi.org/10.1109/EMBC46164.2021.9629750).
4. **SA. Bentil** (Aug. 2020). *Experimental Methods for Solid Propellant Mechanical Behavior Characterization (Project Title: Mechanical Properties of Solid Rocket Propellants at Shock Wave Rates)*. Tech. rep. Defense Technical Information Center: Air Force Research Lab (AFRL), Edwards Air Force Base (AFB). <https://apps.dtic.mil/sti/citations/AD1112139>.
5. **TJ. Beavers** and **SA. Bentil** (2018a). Controlled Blunt Impact Experiments on Soft Tissue Simulants. In: *14<sup>th</sup> Annual Injury Biomechanics Symposium*. Not peer-reviewed. [http://ibrc.osu.edu/wp-content/uploads/2018/05/Beavers\\_manuscript.pdf](http://ibrc.osu.edu/wp-content/uploads/2018/05/Beavers_manuscript.pdf).
6. **AK. McCarty** and **SA. Bentil** (2018). Investigating the Progression of Alzheimer’s Disease using Digital Volume Correlation Algorithm and Strain as a Metric. In: *Proceedings of the ASME 2018 International Mechanical Engineering Congress and Exposition (IMECE)*. Paper No. IMECE2018-87563. Pittsburgh, PA USA. doi: [10.1115/IMECE2018-87563](https://doi.org/10.1115/IMECE2018-87563). <https://doi.org/10.1115/IMECE2018-87563>.
7. **SA. Bentil**, S. MacLean, and RB. Dupaix (2010). Viscoelastic properties of macaque neural tissue at low strain rates. In: *Proceedings of the ASME 2010 International Mechanical Engineering Congress and Exposition (IMECE)*. Vol. 2. Paper No. IMECE2010-39071. Vancouver, BC CANADA, pp.853–857. doi: [10.1115/IMECE2010-39071](https://doi.org/10.1115/IMECE2010-39071). <https://doi.org/10.1115/IMECE2010-39071>.
8. AM. Eigen, **SA. Bentil**, and DL. Smith (2007). The crash problem for advanced restraints. In: *20<sup>th</sup> Enhanced Safety Vehicles Conference Proceedings*. Paper No. 07-0234. Lyon, FRANCE, pp.853–857. <https://www-esv.nhtsa.dot.gov/Proceedings/20/07-0234-0.pdf>.
9. **SA. Bentil** and YL. Yan (2005[b]). Multispectral analysis of diplophonic voices using wavelets as a preprocessing tool. In: *Seventh IASTED International Conference on Signal and Image Processing*. Ed. by Marcellin, MW. Paper No. 479-113. Honolulu, HI USA, pp.18–22. <https://www.actapress.com/Abstract.aspx?paperId=21381>.