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PUBLICATIONS

FORMALLY INVITED SEMINARS AND PRESENTATIONS

1. **SA. Bentil** (2024). Shock Waves: A Versatile Tool to Investigate Damage and Injury Mechanisms. In: *Graduate Aerospace Laboratories of the California Institute of Technology (GALCIT) Colloquium*. Pasadena, CA USA.
2. **SA. Bentil** (2023). Dynamic Response of Soft Materials Exposed to Shock Waves. In: *Des Moines University's Friday Research Seminar Series*. West Des Moines, IA USA (attended virtually).
3. **SA. Bentil** (2022). Brain Surrogate Development for Blast Exposure Studies. In: *Iowa State University's Department of Biomedical Sciences*. Ames, IA USA.
4. **SA. Bentil** (2022). Exposing Inert Solid Rocket Propellants to Shock Waves for Viscoelastic Property Characterization. In: *22nd Biennial Conference of the American Physical Society (APS) Topical Group on Shock Compression of Condensed Matter (SCCM)*. **Keynote lecture**. Anaheim, CA USA.
5. **SA. Bentil** (2022). Exposing Inert Solid Rocket Propellants to Shock Waves for Viscoelastic Property Characterization. In: *University of Iowa's Department of Mechanical Engineering Seminar*. Iowa City, IA USA.
6. **SA. Bentil** (2022). Inert Solid Rocket Propellants Exposed to Shock Waves for Viscoelastic Property Characterization. In: *Brown University's Joint Solid Mechanics and Materials Seminar Series*. Providence, RI USA.
7. **SA. Bentil** (2022). Leveraging Shock Waves to Characterize the Dynamic Response of Soft Materials. In: *Iowa State University's Department of Aerospace Engineering*. Ames, IA USA.
8. **SA. Bentil** (2022). Leveraging Shock Waves to Characterize the Dynamic Response of Soft Materials. In: *Springer/Nature Publishing Young Investigator Lecture at the Annual Conference for the Society for Experimental Mechanics (SEM)*. **Keynote lecture**. Pittsburgh, PA USA.
9. **SA. Bentil** (2021). Characterizing Brains Exposed to a Shock Wave using a Fractional Zener Model. In: *Washington University in Saint Louis' Department of Mechanical Engineering and Materials Science Seminar*. Saint Louis, MO USA (attended virtually due to COVID-19).
10. **SA. Bentil** (2021). Developing a Brain Surrogate for Blast Exposure Studies. In: *The Ohio State University's Department of Biomedical Engineering*. Columbus, OH USA.
11. **SA. Bentil** (2019). Viscoelastic Response of Brains Exposed to a Shock wave. In: *University of Iowa's Roy J. Carver Department of Biomedical Engineering Seminar*. Iowa City, IA USA.
12. **SA. Bentil** (2019). Viscoelastic Response of Brains Exposed to a Shock wave. In: *10th Iowa State University's Neuroscience Retreat*. Ames, IA USA.
13. **SA. Bentil** (2019). Viscoelastic Response of Shock Wave Impacted Brain Tissue. In: *Lehigh University's Department of Mechanical Engineering and Mechanics Seminar*. Bethlehem, PA USA.
14. **SA. Bentil** (2018). Strain as a metric to assess biocompatibility of hydrogel-coated neural microelectrodes. In: *10th Annual Neuroscience Research Day*. Ames, IA USA.
15. **SA. Bentil** (2017). Characterizing the Mechanical Behavior of Soft Materials. In: *8th Annual James K. Knowles Plenary Lectures and Caltech Solid Mechanics Symposium*. **Plenary lecture**. Pasadena, CA USA.