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Academic Positions	<b>Graduate Student Research Assistant</b> Corso Research Group University of Michigan, Ann Arbor, MI	September 2017-Present
	<b>Research Engineer</b> Intelligent Vehicle Systems Southwest Research Institute, San Antonio, TX	June 2012-August 2017
	<b>Undergraduate Researcher</b> Collaborative Mechatronics Lab University of Denver, Denver, CO	June 2011-August 2011
Research Focus	The interaction between noisy humans and black-box models. When should the model solicit more information, and how should that information be handled?	
Education	<b>University of Michigan</b> Ph. D. in Robotics Advisor: Jason J. Corso	Ann Arbor, MI January 2023
	<b>University of Michigan</b> M.S. in Robotics	Ann Arbor, MI May 2019
	<b>University of Texas, San Antonio</b> M.S. in Applied Mathematics/Industrial Mathematics	San Antonio, TX May 2015
	<b>Rose-Hulman Institute of Technology</b> B.S. in Mechanical Engineering	Terre Haute, IN May 2012
Publications	<b>S. J. Lemmer</b> , A. Guo, and J. J. Corso. Human-Centered Deferred Inference: Measuring User Interactions and Setting Deferral Criteria for Human-AI Teams. In <i>Proceedings of the ACM International Conference on Intelligent User Interfaces</i> , 2023. AR: 24.1%, h5: 40 ( <b>IUI</b> )	
	<b>S. J. Lemmer</b> and J. J. Corso. Evaluating and Improving Interactions with Hazy Oracles. In <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2023. AR: 19.6%; h5: 180 ( <b>AAAI</b> )	
	<b>S. J. Lemmer</b> and J. J. Corso. Ground-truth or DAER: Selective Re-query of Secondary Information. In <i>Proceedings of the International Conference on Computer Vision</i> , 2021. AR: 25.9%; h5: 184 ( <b>ICCV</b> )	
	<b>S. J. Lemmer</b> , J. Y. Song, and J. J. Corso. Crowdsourcing More Effective Initializations for Single-Target Trackers Through Automatic Re-querying. In <i>Proceedings of the ACM Conference on Human Factors in Computing Systems</i> , 2021. AR: 26.3%; h5: 101 ( <b>CHI</b> )	

J. Y. Song, **S. J. Lemmer**, M. X. Liu, S. Yam, J. J. Corso, and W. S. Lasecki. Popup: Reconstructing 3d video using particle filtering to aggregate crowd responses. In *Proceedings of the ACM International Conference on Intelligent User Interfaces*, 2019. AR: 25%; h5: 27 (IUI)

P. K. Sturgeon, C. M. Mott, **S. J. Lemmer**, and M. A. Brown. Subtle Anomaly Detection in the Global Dynamics of Connected Vehicle Systems. In *Proceedings of the Intelligent Transport Systems Congress*. 2016.

**S. J. Lemmer**. Loosening the Reins: Decentralized Allocation of Resources and Tasks for Heterogeneous Multi-Agent Systems. In *Proceedings of AUVSI Xponential*, 2016

## Patents

J. Y. Song, **S. J. Lemmer**, J. J. Corso, and W. S. Lasecki. Reconstructing 3D Video Using Particle Filtering to Aggregate Crowd Responses. United States Patent Application, No. 2020/0,202,615 A1.

J. D. Walker, D. J. Pomerening, K. C. Kozak, N. J. Mueshke, **et al.**, Edge-On Armor System with Translating and Rotating Armor Panels. United States Patent, No. 10,775,136 B2.

**S. J. Lemmer**, C. M. Mott, and P. A. Avery. Autonomous Team Formation and Task Negotiation Among Unmanned Vehicles. United States Patent, No. 10,432,729 B2.

**S. J. Lemmer** and D. R. Chambers. Sensor Confidence Estimation Based on Statistical Analysis. United States Patent, No. 10,235,629 B2.

**S. J. Lemmer**. Protective Case Adapted to Support a Smartphone. United States Patent, No. 62,297,097.