

# STEPHAN JOHN LEMMER

CURRICULUM VITAE

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EDUCATION	<b>University of Michigan, Ann Arbor</b> Ph.D. in Robotics Advisor: Dr. Jason J. Corso	IN PROGRESS
	<b>University of Michigan, Ann Arbor</b> M.S. in Robotics	MAY 2019
	<b>University of Texas, San Antonio</b> M.S. in Applied Mathematics-Industrial Mathematics	MAY 2015
	<b>Rose-Hulman Institute of Technology</b> B.S. in Mechanical Engineering	MAY 2012
POSITIONS	<b>Research Assistant</b> University of Michigan, Ann Arbor Advisor: Jason J. Corso Project: Examining the interaction between human input and deep learning systems at inference time.	2017 - PRESENT
	<b>Research Engineer</b> Southwest Research Institute Description: Responsible for a number of hardware, software, testing, and regulation tasks related to connected and autonomous vehicles.	2012-2017
	<b>Undergraduate Researcher</b> University of Denver Mentor: Richard Voyles Project: Development of robotic mechanisms for urban search and rescue.	2011
PUBLICATIONS	<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 (CHI)</i> , 2021.	

J. Y. Song, **S. J. Lemmer**, M. X. Liu, S. Yam, J. Kim, J. J. Corso and W.S. Lasecki. Popup: Reconstructing 3D Video Using Particle Filtering to Aggregate Crowd Responses. In *Proceedings of the Conference on Intelligent User Interfaces (IUI)*, 2019.

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

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

PATENTS

J. Y. Song, **S. J. Lemmer**, J. J. Corso, W. S. Lasecki. Reconstructing 3D Video Using Particle Filtering to Aggregate Crowd Responses. Pending (16/704,529).

J. D. Walker, [and 10 others, including **S. J. Lemmer**]. Edge-On Armor System with Translating and Rotating Armor Panels. US 10,775,136 B2.

**S. J. Lemmer**, C. M. Mott and P. A. Avery. Autonomous Team Formation and Task Negotiation Among Unmanned Vehicles. US 10,432,729 B2

**S. J. Lemmer** and D. R. Chambers. Sensor Data Confidence Estimation Based on Statistical Analysis. US 10,235,629 B2

**S. J. Lemmer**. Protective Case Adapted to Support a Smartphone. US 6,229,7097