

SVC Meeting, 2-3 November 2017

SVC Posters

Title	Presenter	Advisor
SVC#40A: Characterization and Modeling of Passive and Adaptive Bushings and Mounts: Rubber Bushings	L. Fredette	R. Singh
SVC#40E: Automotive System Isolation	V. Ravi	S. Noll
SVC#40F: Inverse Identification Method for Radiator Mounts	R. Ramesh	R. Singh
SVC#45: Morphing Panels for Aerodynamic Performance	S. Chillara	M. Dapino, L. Headings
SVC#46: Mechanoluminescent paintable Light Sources in Automotive Lighting Systems	S. Krishnan	V. Sundaresan
SVC#47B: Vibration Damping and Energy Harvesting	Z. Deng, B. Losey	M. Dapino
SVC#49: Embedded Fiber Optic Sensors for Structural Health Monitoring	S. Chilelli, E. Schultz	M. Dapino
SVC#51A: Ultrasonic Additive Manufacturing for Automotive Structures: Effect of UAM Process on Manufactured Parts	X. Chen, Y. Rong, T. Han	M. Dapino, L. Headings
SVC#51B: Ultrasonic Additive Manufacturing for Automotive Structures: UAM Process Modeling	G. Venkatraman	M. Dapino, L. Headings
SVC#52: Design of Matrix and Particulates for Simulcure 3D Printing Technique	P. Vijayaraghavan	V. Sundaresan
SVC#54: Magnetic Additively-Manufactured Structural Hybrid (MASH)	I. Nas	M. Dapino
SVC#55: Multiscale Finite Element Simulation of the Mechanical Behavior of Fiberglass Insulation Packs	M. Ji, M. Yang	S. Soghrati
SVC #56: Dynamic Friction Characterization of Icy Road Surfaces	L. Fredette	R. Singh

Related Research Posters

Title	Presenter	Advisor
New Atomic Force Microscopy Cantilever with an Inner-Paddle for Enhanced Material Characterizations	S. Dharmasena	H. Cho
Shape Morphing Arm Robotic (SMART) Manipulators for Simultaneous: Safe Human-Robot Interaction and High Performance Manufacturing	Y. Zhou	M. Dapino
Metal Matrix Composites, Parts, and Components Made with Ultrasonic Additive Manufacturing	M. Gingerich	M. Dapino
Flexible Piezoelectric Sensors for Vehicle Applications	A. Ramanathan	L. Headings, M Dapino
Magnetically Coupled Energy Harvesters for Impulsive Vibration Applications	Q. Dai	R. Harne
Elastomeric Material Systems with Compressible Geometries for Tuning Vibration Transmission	S. Cui	R. Harne
On the Feasibility of a Temperature State Observer for Powder Bed Fusion Additive Manufacturing	N. Wood	D. Hoelzle
A Cable Driven Mechanism for a Continuously Tunable Stiffness Arm Towards Safe Human-Robot Interactions	Y. She	H. Su