

SVC Meeting Poster List, 6-7 September 2018

SVC Posters

	Title	Presenter	Advisor
SVC #40:	Characterization and modeling of passive and adaptive bushings and mounts, Part I and Part II	L. Fredette	R. Singh
SVC #46:	Mechanoluminescent paintable light sources in automotive lighting systems	S. Krishnan	V. Sundaresan
SVC #49:	Embedded fiber optic sensors for structural health monitoring	S. Chilelli	M. Dapino
SVC #51B:	Ultrasonic additive manufacturing for automotive structures: UAM process modeling	G. Venkatraman	M. Dapino L. Headings
SVC #51C:	Ultrasonic additive manufacturing for automotive structures: UAM for structural reinforcement	Y. Rong	M. Dapino B. Gingerich L. Headings
SVC #52:	Design of matrix and particulates for simulcure 3D printing technique	P. Vijayaraghavan	V. Sundaresan
SVC #54A&B:	Robust Integrated Magnetic Composites (RIMaC) for Magnetic Gears: Magnetic Additively-Manufactured Structural Hybrid (MASH)	I. Nas, B. Losey	M. Dapino
SVC #56:	Dynamic friction characterization of icy road surfaces	L. Fredette, K. Sommers	R. Singh
SVC #57:	Flexible piezoelectric sensors for vehicle applications	A. Ramanathan	M. Dapino L. Headings
SVC #58:	Architecture for mechanoluminescent structural sensors and sensing platforms	P. Vijayaraghavan	V. Sundaresan
SEED	On the feasibility of a temperature state observer for powder bed fusion additive manufacturing	N. Wood	D. Hoelzle
REU	Investigation of metal corrosion by in-situ electrochemical force microscopy	H. Cho	H. Cho
SEED	Solution processing of thermochromic vanadium dioxide smart windows	V. Doan-Nguyen	V. Doan-Nguyen

Related Research Posters

	Title	Presenter	Advisor
	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	B. Gingerich	M. Dapino
	Mechanical characterization and microstructure analysis of ultrasonic additive manufactured steel	T. Han	M. Dapino L. Headings
	Optimized piezoelectric energy harvesters for performance robust operation in periodic vibration environments	W. Cai	R. Harne
	Magnetoelastic material systems that control mechanical properties by magnetic fields and internal collapse	C. El-Helou	R. Harne
	Ultrasonic parametric arrays to direct sound fields for vehicle applications	C. Grimes	R. Harne
	Targeted mode attenuation and broadband vibration control with optimized elastomeric material systems	S. Yeh	R. Harne