

SVC Meeting Poster List, 9-10 September 2021

SVC Project Posters

SVC #	Title	Presenter	Project Leader(s)
SEED	Aeromechanic analysis and optimization of boundary layer ingestion turbomachinery	A. Wernick (G)	J.P. Chen
REU	Self-stiffening, lightweight structural materials for energy-efficient transportation systems	S. Patel (U)	H. Cho
SEED	On the feasibility of a temperature state observer for powder bed fusion additive manufacturing	N. Wood (G)	D. Hoelzle
SEED	Analytical model for vehicle integrated photovoltaic systems	V. Kalra (G)	A. Contractor
#51B	Ultrasonic additive manufacturing for automotive structures: UAM process modeling	G. Venkatraman (G)	M. Dapino L. Headings
#51C	Ultrasonic additive manufacturing for automotive structures: UAM for structural reinforcement	L. Headings	M. Dapino L. Headings
#51D	Ultrasonic additive manufacturing for automotive structures: UAM steel builds	N. Zhao (G)	M. Dapino L. Headings
#51E	Ultrasonic additive manufacturing for automotive structures: Joining of metal and fiber reinforced polymers	H. Guo (G)	M. Dapino L. Headings
#54	Magnetic gears	I. Nas (G)	M. Dapino
#57B	Flexible piezoelectric sensors for vehicle applications	C. Wang (G)	M. Dapino L. Headings
#60	Distributed programmable actuation platforms	S. Mukhopadhyay (G)	V. Doan-Nguyen N. Verma
#61	Dynamic self-reforming lithium/solid electrolyte interface for solid-state battery	M. Newman (G)	V. Doan-Nguyen
#62	Nanostructured material for high-energy density batteries	G. Gourdin	V. Doan-Nguyen
#61B	<i>New project:</i> 3D structural batteries in fiber reinforced composite panels	S. Mukhopadhyay (G) L.S. Singavarapu (U)	A. Contractor N. Verma
#63	Smart restraint systems	V. Srinivas (G)	M. Dapino
#64	<i>New project:</i> Heat generation and heat dissipation analysis for EV inverters	N. Verma	A. Contractor N. Verma

G - Graduate student

U - Undergraduate student