

SVC Meeting Poster List, 10-11 September 2020

SVC Posters

| SVC # | Title | Presenter | Project Leader(s) |
|-------------|--|--|--------------------------|
| #49 | Embedded fiber optic sensors for structural health monitoring | S. Chilelli (G) J. Morris (G) | M. Dapino |
| #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 | T. Han (G) | M. Dapino L. Headings |
| #51E NEW | Ultrasonic additive manufacturing for automotive structures: Joining of metal and fiber reinforced polymers | H. Guo (G) | M. Dapino L. Headings |
| #52 | Multifunctional structural polymer composites for vehicle electrification | M. Newman (G) | T. Hery V. Sundaresan |
| #54 | Magnetic gears | I. Nas (G) B. Losey (G) M. Moore (U) | M. Dapino |
| #57B | Flexible piezoelectric sensors for vehicle applications: Air speed and direction measurement | A. Ramanathan (G) | M. Dapino L. Headings |
| #62 NEW | Nanostructured material for high-energy density batteries | P. Loughney (G) | V. Doan-Nguyen |
| SEED | Aeromechanic analysis and optimization of boundary layer ingestion turbomachinery | A. Wernick (G) | J.P. Chen |
| SEED | Solution processing of thermochromic vanadium dioxide smart windows | P. Loughney (G) | V. Doan-Nguyen |
| SEED | On the feasibility of a temperature state observer for powder bed fusion additive manufacturing | N. Wood (G) | D. Hoelzle |

Related Research Posters

| Title | Presenter | Project Leader(s) |
|---|---------------|-------------------|
| Model and characterization of automotive wire harnesses for digital manufacturing applications | S. Vemula (G) | M. Dapino |
| Variable stiffness arm for safe human-robot interaction | Y. Zhou (G) | M. Dapino |