

High-Rate Monitoring, Damage Detection, Structural Prognosis and Reaction - Virtual Workshop

Thursday, May 28th 11:00 – 2:00 (CDT)

Friday, May 29th 10:00 – 2:00 (CDT)

Meeting POC: Jacob Dodson, jacob.dodson.2@us.af.mil, (850) 217-7930
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AGENDA:

Day 1: Thursday 28 May 2020

11:00 – 11:30	Jacob Dodson	AFRL Introduction to “High-Rate Monitoring, Damage Detection, Structural Prognosis and Reaction”
11:30 – 11:50	Jay Tiley/Erik Blasch	AFOSR Portfolios overview and relevant research
11:50 – 12:20	Mike Todd	“In-situ State Assessment/Prediction for Shock-Loaded Electronics Packages”
12:20 – 12:35	~~~~~Break~~~~~	
12:35 – 1:05	Peter Avitabile	“Full Field Damage Detection using Motion Magnified Sparse Strain Dynamic Data – (FDMSD)”
1:05 – 1:35	Austin Downey	“Real-Time Model Updating for Structures”
1:35 – 2:00	~Discussion~	

Day 2: Friday 29 May 2020

10:00 – 10:30	Zhu Mao	“Data-Enhanced State Awareness and Structural Health Monitoring”
10:30 – 11:00	Yang Wang	“Impact Load Identification for the DROPBEAR Setup Using a Finite Input Covariance (FIC) Estimator”
11:00 – 11:30	Simon Laflamme	“High-Rate Real-Time Learning of Non-Stationary Time Series”
11:30 – 2:00	~Workshop Collaborations and Discussion~	