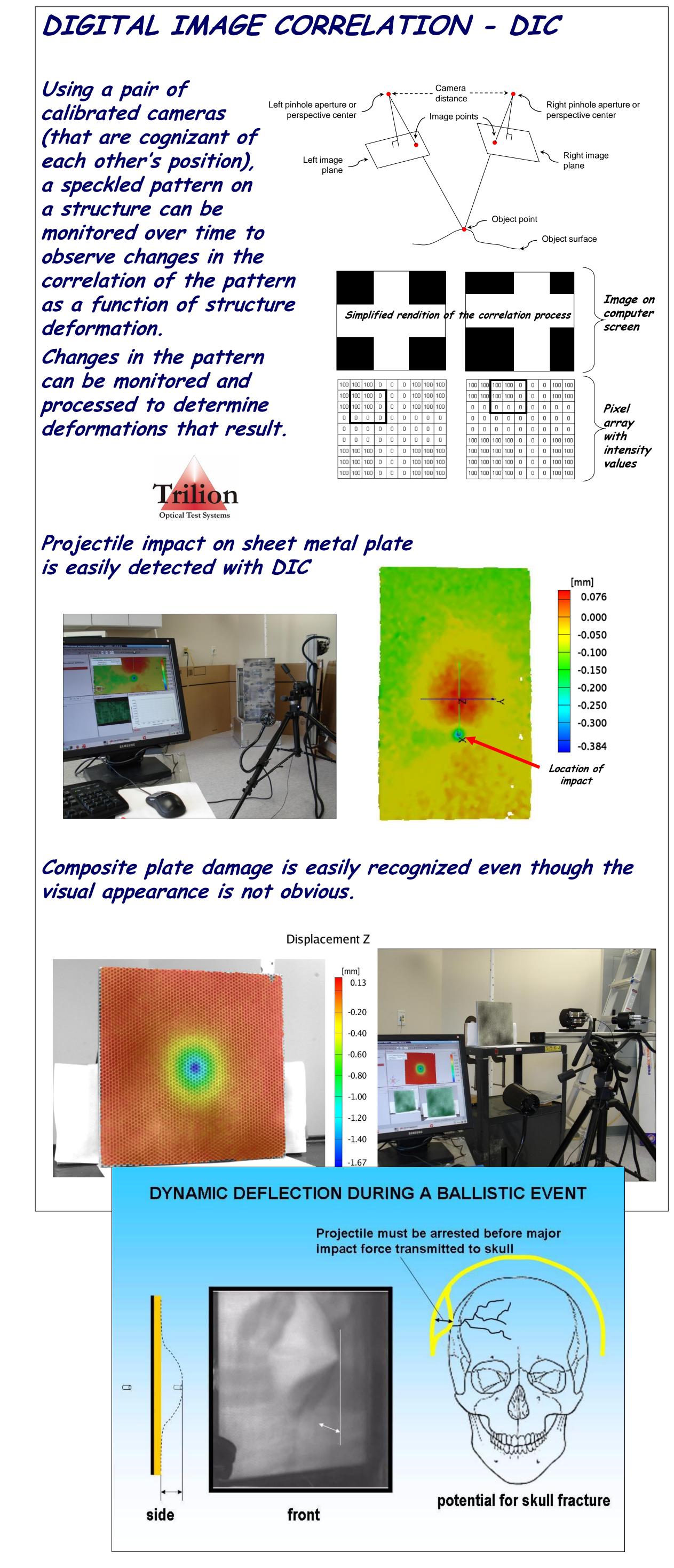


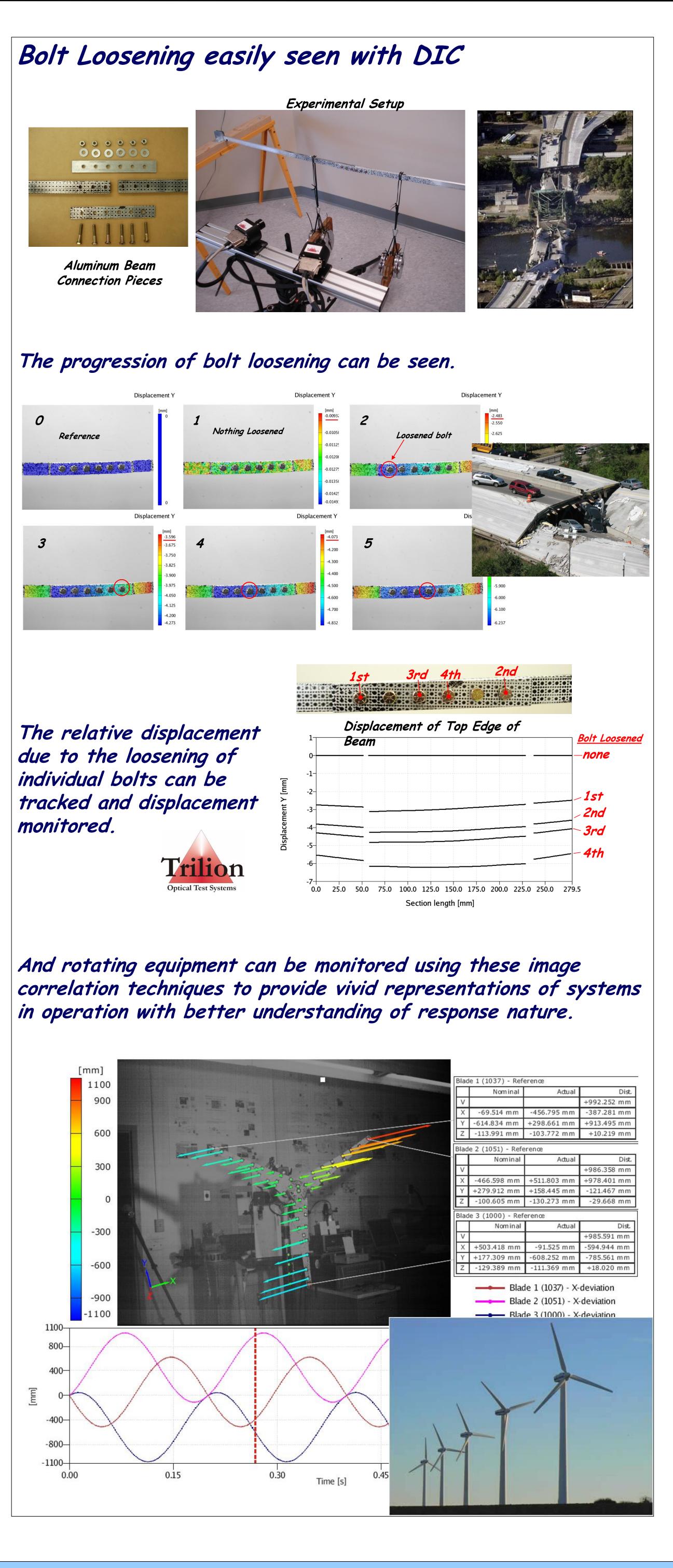
Structural Dynamics and Acoustic Systems Laboratory University of Massachusetts Lowell

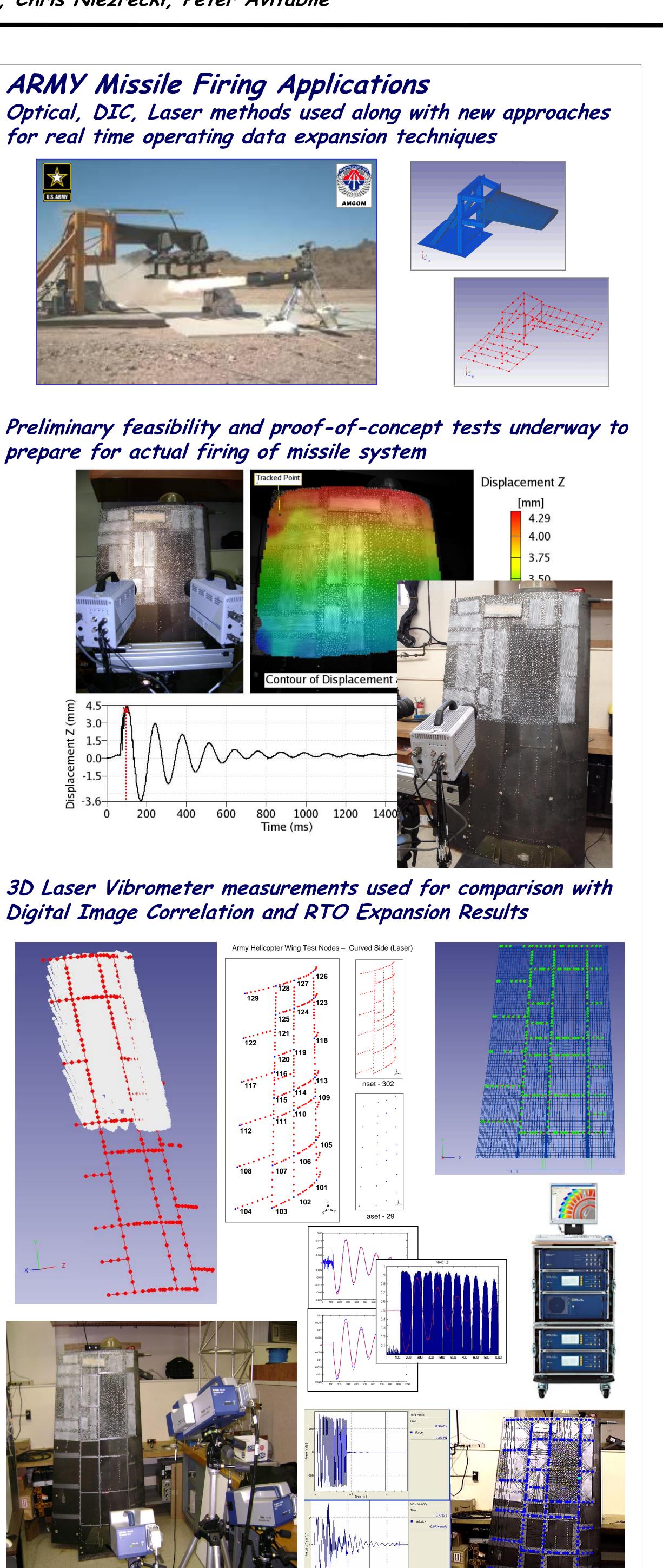


OPTICAL AND DIGITAL IMAGE CORRELATION TECHNIQUES APPLIED TO STUCTURAL DYNAMIC AND STRUCTURAL HEALTH MONITORING APPLICATIONS

Mark Helfrick, Chris Warren, Pawan Pingle, Chris Niezrecki, Peter Avitabile

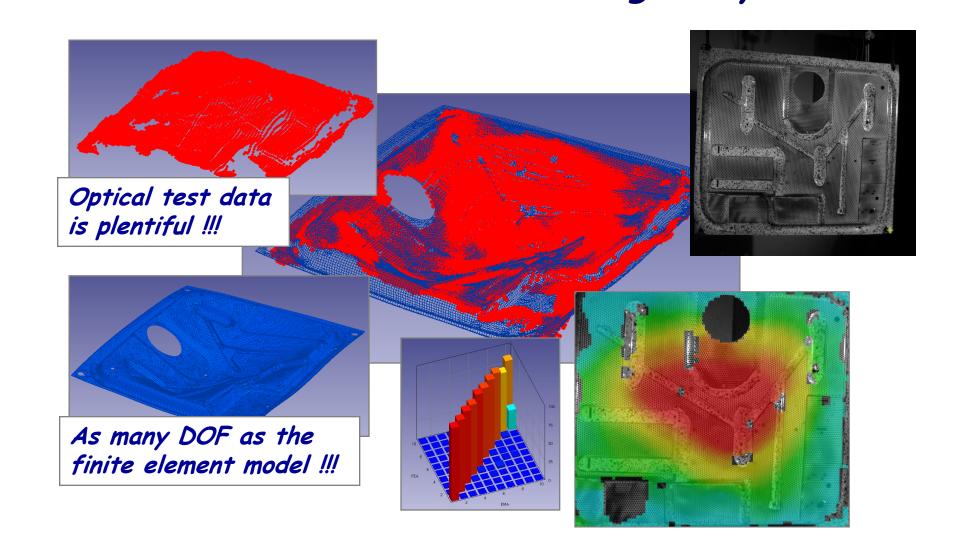


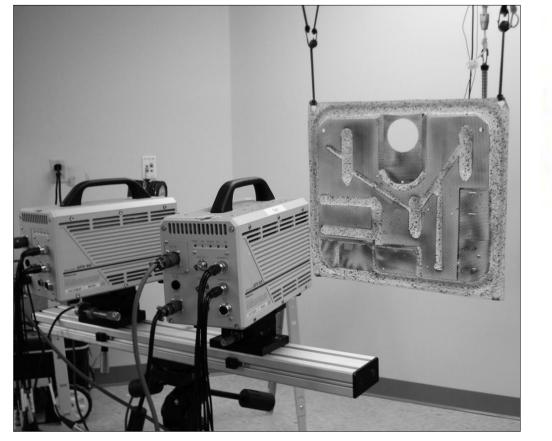




Correlation of Modal Data to FEM is Enhanced with Availability of Abundant Optical Data

DIC techniques allows significant number of test data points to be obtained. Correlation to the FEM is greatly enhanced.







Testing Operating Systems

DIC & DP provides abundance of information - systems in operating condition can easily be evaluated



