

Poster Presentations

Poster Title	Authors	Affiliations
Complex System Fault Detection Using Factor Analysis	<i>Y. Zhang</i>	<i>GM R&D Center</i>
Technical Condition Assessment and Remaining Useful Life Estimation of Choke Valves subject to Erosion	<i>B. H. Nystad, G. Gola, J.E. Hulsund, D. Roverso</i>	<i>Institute for Energy Technology (Norway)</i>
Bayesian Reliability Prognosis for Systems with Heterogeneous Information	<i>G. Bartram, S. Mahadevan</i>	<i>Vanderbilt University</i>
Uncertainty Identification of Damage Growth Parameters using Health Monitoring Data and Nonlinear Regression	<i>N. Kim, A. Coppe, R.T. Haftka</i>	<i>University of Florida</i>
Aging Methodologies and Prognostic Health Management for Electrolytic Capacitors	<i>K. Goebel, G. Biswas, X. Koutsoukos, J. Celaya, C. Kulkarni</i>	<i>Vanderbilt University/NASA Ames</i>
A Novel Automated Feature Extraction Method for Fault Diagnosis	<i>Z. Voulgaris, C. Sconyers</i>	<i>Georgia Institute of Technology</i>
Robustness of a structural health monitoring system under drop-weight impact loading in composites	<i>P. Ostiguy, K. Ryan Mulligan, P. Masson, S. Elkoun</i>	<i>GAUS, Université de Sherbrooke (Canada)</i>
A Collaborative Web-Based Approach to Planning Research, Integration, and Testing using a Wiki	<i>M. Delaney, E. Koshimoto, D. Noble, C. Duggan</i>	<i>NASA</i>
Modeling SiO ₂ Ion Impurities Aging in Insulated Gate Power Devices Under Temperature and Voltage Stress	<i>A. Ginart, J. Celaya, I. Ali, P. Kalgren, S. Poll, J. Celaya, M. Roemer</i>	<i>Impact Technologies, LLC/NASA Ames</i>
Next Generation Health Management Decision Support across the Operational and Support Enterprise	<i>T. Dabney, T. Postma, R. Vodicka</i>	<i>USAF, JSF Program Office</i>
An Autonomous Wireless Sensing Module for Long-Term Structural Health Monitoring Applications	<i>N. Belov, G. Tchelepi</i>	<i>Green SHM Systems</i>
Methods for Diagnostics of Bearings in Non-stationary Environment	<i>R. Klein, E. Rudyk, E. Masad</i>	<i>R. K. Diagnostics (Israel)</i>
Detecting Corrosion of Prestressed Strands Using Acoustic Emission Technique	<i>M. El-Batanouny, J. Mangual, P. Ziehl</i>	<i>University of South Carolina</i>
Benchmarking the Vehicle Integrated Prognostic Reasoner	<i>X. Koutsoukos, G. Biswas, D. Mylaraswamy</i>	<i>Vanderbilt University/Honeywell/Lockheed</i>
PHM Techniques for Condition-Based Maintenance Based on Hybrid System Model Representation	<i>C. Garcia, T. Escobet, J. Quevedo</i>	<i>Universitat Politècnica de Catalunya (Spain)</i>
Bayesian Approach for Parameter Estimation in the Structural Analysis and Prognosis	<i>J. Choi, D. An, J. Gang, J. Joo, N. Kim</i>	<i>Korea Aerospace University/Chungbuk National University (Korea)/University of Florida</i>
Multiple Faults Isolation for Hybrid Systems with Unknown Fault Pattern	<i>M. Yu, D. Wang, M. Luo</i>	<i>Nanyang Technological University/Singapore Institute of Manufacturing Technology</i>