

REFERENCES

- [1] Rogers, C. A., 1992. "Intelligent Material Systems – the Dawn of a New Materials Age", *Science of Machine Journal*, Vol. 46, No. 9, pp. 977-983.
- [2] Lalande, F., Chaudhry, Z., Sun, F. P., Rogers, C. A. "Impedance-Based Qualitative Health Monitoring of Complex Structures".
- [3] Rogers, C. A., Lalande, F., 1996. "Solid-State Active Sensing for In-Situ Health Monitoring", *Proceedings, Society for Machinery Failure Prevention Technology showcase*, Mobile, AL.
- [4] Liang, C., Sun, F. P., Rogers, C. A., 1993. "An Impedance Method for Dynamic Analysis of Active Material Systems", *Proceedings, AIAA/ASME/ASCE/AHS/ASC 34th Structures, Structural Dynamics, and Materials Conference*, LaJolla, CA.
- [5] Crawley, E. F., Anderson, E. H., 1990. "Detailed Models of Piezoceramic Actuation of Beams", *Journal of Intelligent Material Systems and Structures*, Vol. 1, pp. 4-25.
- [6] Sun, F. P., Chaudhry, Z., Liang, C., Rogers, C. A., 1994. "Truss Structure Integrity Identification Using PZT Sensor-Actuator", *Proceedings, Second International Conference on Intelligent Materials*, Williamsburg, VA, pp. 1210-1222.
- [7] Liang, C., Sun, F. P., Rogers, C. A., 1993. "Dynamic output characteristics of piezoelectric actuators", *Proceedings, Smart Materials and Structures '93*, Albuquerque, NM.
- [8] Sun, F. P., Liang, C., Rogers, C. A., 1994. "Experimental Modal Testing using Piezoceramic Patches as Collocated Sensor-Actuators", *Proceedings, 1994 SEM Spring Conference and Exhibits*, Baltimore, MD.
- [9] Zhou, S. W., Rogers, C. A., 1994. "Temperature Rise and Thermal Stress of Piezoelectric Elements in Active Structures", *ASME IMECE*, Chicago, IL.
- [10] Krishnamurthy, K., Lalande, F., Rogers, C. A. "Effects of temperature on the electrical impedance of piezoelectric sensors", *SPIE Vol. 2717*.

- [11] Esteban, J., Lalande, F., Rogers, C. A., 1996. "Theoretical Modeling of Wave Propagation and Energy Dissipation in Joints".
- [12] Esteban, J., Lalande, F., Rogers, C. A. "A theoretical modeling of wave localization due to material damping", *SPIE Vol. 2717*.
- [13] Esteban, J., Lalande, F., Rogers, C. A. "A theoretical modeling of wave localization due to material damping: Results".
- [14] Esteban, J., Lalande, F., Chaudhry, Z., Rogers, C. A. "Supporting Results on the modeling of wave propagation and energy dissipation in joints".
- [15] Esteban, J., Lalande, F., Rogers, C. A. "Parametric Study on the Sensing Region of a Driven PZT Actuator-Sensor".
- [16] Woon, C. E., Mitchell, L. D., 1996. "Variations in Structural Dynamic Characteristics Caused by Changes in Ambient Temperature: I. Experimental", *Proceedings of the 14th International Modal Analysis Conference*.
- [17] Woon, C. E., Mitchell, L. D., 1996. "Variations in Structural Dynamic Characteristics Caused by Changes in Ambient Temperature: II. Analytical".
- [18] Chaudhry, Z., Joseph, T., Sun, F. P., Rogers, C. A., 1995. "Local-area health monitoring of aircraft via piezoelectric actuator/sensor patches", *SPIE 1995 North American Conference on Smart Structures and Materials*, San Diego, CA.
- [19] Chaudhry, Z., Sun, F. P., Rogers, C. A., 1994. "Health Monitoring of Space Structures using Impedance Measurements", *Fifth International Conference on Adaptive Structures*.
- [20] Chaudhry, Z., Lalande, F., Ganino, A., Rogers, C. A., 1995. "Monitoring the Integrity of Composite Patch Structural Repair via piezoelectric Actuators/Sensors", *36th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference*, New Orleans, LA.
- [21] Ayres, J. W., Rogers, C. A., Chaudhry, Z., 1996. "Qualitative health monitoring of a steel bridge joint via piezoelectric actuator/sensor patches".
- [22] Lalande, F., Rogers, C. A., Childs, B., Chaudhry, Z., 1996. "High-Frequency Impedance Analysis for NDE of Complex Precision Parts".

- [23] Sun, F. P., Chaudhry, Z., Rogers, C. A., Majmundar, M., 1995. “Automated real-time structure health monitoring via signature pattern recognition”, *SPIE North American Conference on Smart Structures and Materials*, San Diego, CA.
- [24] Stokes, J. P., Cloud, G. L., 1993. “The Application of Interferometric Techniques to the Nondestructive Inspection of Fiber-reinforced Materials”, *Experimental Mechanics*, Vol. 33, pp. 314-319.
- [25] Ciminello, D., Lalande, F. “Health Monitoring of a Steam Header via Piezoelectric Actuator/Sensor Patches”.