

**Publications of
Kevin Kochersberger
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Books and Chapters:

1. Kochersberger, K., Light Sport Aircraft Inspection Procedures, Avotek Information Resources, Weyers Cave, VA, 2006. ISBN: 1-933189-06-01
2. Onur Bilgen, Kevin Kochersberger and Daniel Inman, Smart Composites – Mechanics and Design, Edited by Rani El-Hajjar, Valeria La Saponara, Anastasia Muliana, *Chapter 6: Wing Morphing Design Using Macro Fiber Composite*, Taylor and Francis, CRC Press, 2013.

Journal Articles:

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2. Christie, G., Kochersberger, K., Abbott, L., “Fast Inspection for Size-Based Analysis in Aggregate Processing,” *Machine Vision and Applications* (2015): DOI: 10.1007/s00138-014-0645-y
3. Kochersberger, K., Kroeger, K., Krawiec, B., Brewer, E., & Weber, T. (2014). Post-disaster Remote Sensing and Sampling via an Autonomous Helicopter, *Journal of Field Robotics* (2014). DOI: 10.1002/rob.21502.
4. Krawiec, Bryan, Kevin Kochersberger, and David C. Conner. "Autonomous Aerial Radio Repeating Using an A*-Based Path Planning Approach." *Journal of Intelligent & Robotic Systems* (2013): 1-21. DOI: 10.1007/s10846-013-9853-3
5. Torok, M., Golparvar-Fard, M., and Kochersberger, K., “Image-Based Automated 3D Crack Detection for Post-Disaster Building Assessment,” *J. Comput. Civ. Eng.* (2013) DOI: 10.1061/(ASCE)CP.1943-5487.0000334
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8. Bilgen, O., De Marqui, C., Kochersberger, K., and Inman, D., “Macro-Fiber Composite Actuators for Flow Control of a Variable Camber Airfoil,” *SAGE Journal of Intelligent Material Systems and Structures*, 22(1), 81 – 91, Jan (2011), DOI: 10.1177/1045389X10392613
9. Bilgen, O, Kochersberger, K., Inman, D. J., and Ohanian, O.J., “Lightweight High Voltage Electronic Circuits for Piezoelectric Composite Actuators,” *SAGE Journal of Intelligent Material Systems and Structures*, 21(14), 1417 – 1426, Sep (2010), DOI: 10.1177/1045389X10381657
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11. Bilgen, O., Kochersberger, K. B., Inman, D. J., and Ohanian, O. J., "Macro-Fiber Composite Actuated Simply-Supported Thin Morphing Airfoils," *IOP Journal of Smart Materials and Structures*, 19(5), May (2010), DOI: 10.1088/0964-1726/19/5/055010
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2. G. Christie, L.J. Stiltner, K. Kochersberger, M. McLean, W. Czaja, "Synchronous Radiation Sensing and 3D Urban Mapping for Improved Source Identification," SPIE, Sensing Technologies + Applications, Baltimore, U.S.A., May 2014.
3. Christie, G., Stiltner, L., Kroeger, K., Kochersberger, K., "3-D Scene Understanding from Imagebased Reconstructions Using a Small Unmanned Aircraft," AIAA-2014-1166, AIAA SciTech, National Harbor, MD, Jan 15 – 17 2014.
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16. Bays, M., and Kochersberger, K., "Tracking of a Plume Source using a priori Models and Nonlinear Filtering," AIAA Infotech@Aerospace Conference, Atlanta, GA, Apr 19 – 22, 2010.
17. Collins, T., Kochersberger, K., "Constrained Layer Damping Test Results for Aircraft Landing Gear," Proceedings of the XXVIII International Modal Analysis Conference, Jacksonville, VA, Feb 2010.
18. Lanier, P., Short, N., Kochersberger, K., Abbott, L. "Modal-Based Camera Correction for Large Pitch Stereo Imaging," Proceedings of the XXVIII International Modal Analysis Conference, Jacksonville, VA, Feb 2010.
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