

Real-time roadway mapping and ground robotic path planning via unmanned aircraft

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in
partial fulfillment of the requirements for the degree of

Master of Science in
Mechanical Engineering

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August 11th, 2014

Blacksburg, VA

Keywords: UAV, Computer Vision, Image Mosaicking, Path Planning

Draft 09/01/2009

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Description of item under review for fair use: Figure 5. H. Safadi, "Real-Time Obstacle Avoidance for Manipulators and Mobile Robots," Stanford Univerity, Standford, VA, 1985.

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Description of item under review for fair use: Figure 5. Y. K. Hwang and N. Ahuja, "A Potential Field Approach to Path Planning," IEEE Transactions on Robotics and Automation, vol. 8, no. 1, pp. 23-32, 1992.

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Description of item under review for fair use: Figure 6. J. Miura, "Support Vector Path Planning," in IEEE/RSJ International Conference on Intelligent Robots and Systems, Beijing, China, 2006.

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Description of item under review for fair use: Figure 7. J. J. Kuffner and S. M. LaValle, "RRT-Connect: An Efficient Approach to Single-Query Path Planning," in IEEE International Conference on Robotics and Automation, San Francisco, CA, 2000.

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Description of item under review for fair use: Figures 8, 13, 15, 17-20, 23, 25-31. National Oceanic and Atmospheric Administration, "Hurricane SANDY Response Imagery," National Geodetic Survey, 2012.

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Description of item under review for fair use: Figure 9. P. P. Singh and G. R. Garg, "Automatic Road Extraction from High Resolution Satellite Image using Adaptive Global Thresholding and Morphological Operations," Indian Society of Remote Sensing, vol. 41, no. 3, pp. 631-640, 2013.

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