

Dr Jinling Wang's Publications

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A. Refereed Journal Papers

- Wang J & PB Ober (2008) On the Availability of Fault Detection and Exclusion in GNSS Receiver Autonomous Integrity Monitoring, Submitted to Journal of Navigation.
- Isshiki H. & J. Wang (2008) Estimation of Ionospheric Delays in Dual Frequency GNSS Positioning. Submitted to Artificial Satellites – Journal of Planetary Geodesy.
- Feng Y and J Wang (2008) GPS RTK Performance Characteristics and Analysis, submitted to Journal of Global Positioning Systems.
- Babu R. & J Wang (2008) Ultra-tight GPS/INS/PL Integration: A System Concept and Performance Analysis, accepted for publication in GPS Solutions (13/6/2008).
- Wang Jian, J. Wang and C. Roberts (2008) Reducing GPS Carrier Phase Errors with EMD-Wavelet for Precise Static Positioning, *Survey Review* (Accepted for publication on 8/1/2008)
- Geng Y & J. Wang (2008) Adaptive Estimation of Multiple Fading Factors in Kalman Filter for Navigation Applications. *GPS Solutions*, (accepted for publication on 18/10/2007).
- Hewitson S. and J. Wang (2008) Extended Receiver Autonomous Integrity Monitoring (eRAIM) for GNSS/INS Integration. *Journal of Surveying Engineering*, (accepted for publication on 11/9/2007)
- Jin S.G. and J. Wang (2008) Spreading change of Africa-South plate: Insights from space geodetic observations, *International Journal of Earth Sciences*, accepted on 23/5/2007.
- Li Y., C. Rizos, J. Wang, P.J. Mumford, and W. Ding (2008) Sigma-point Kalman filtering for tightly coupled GPS/INS integration, *Navigation*, accepted on 10/7/2007.
- Ding W., J Wang, Y. Li, P. Mumford, and C. Rizos (2008) Time Synchronization Error and Calibration in Integrated GPS/INS Systems. *ETRI Journal*, 30(1):59-67.
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- Hewitson S. and J. Wang (2007) GNSS Receiver Autonomous Integrity Monitoring (RAIM) with a dynamic model, *Journal of Navigation*, 60(2): 247-263.
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- Hewitson S. & J. Wang (2006) GNSS Receiver Autonomous Integrity Monitoring (RAIM) performance analysis. *GPS Solutions*. 10(3), 155-170.
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- Li Y., A.G. Dempster, B. Li, J. Wang, C. Rizos (2006) A low-cost attitude heading reference system by combination of GPS and magnetometers and MEMS inertial sensors for mobile applications. *Journal of Global Positioning Systems*, 5(1-2), 90-97.

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D. Books and Contributions to Books

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- Li Y., Wang J., & Rizos C. (2006) Comparison of the extended and sigma-point Kalman filters on inertial sensor bias estimation through tight integration of GPS and INS. *19th Int. Tech. Meeting of the Satellite Division of the U.S. Inst. of Navigation*, Fort Worth, Texas, 26-29 September, 1625-1634.
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