- [2] P. J. Mumford, K. Parkinson, and A. G. Dempster, "The Namuru open GNSS research receiver," in *Proceedings of the International Technical Meeting of the Satellite Division of the Institute of Navigation (ION GNSS06*, vol. 5, 2006, pp. 2847–2855.
- [3] K. J. Parkinson, P. J. Mumford, E. P. Glennon, N. C. Shivaramaiah, A. G. Dempster, and C. Rizos, "A low cost Namuru V3 receiver for spacecraft operations," in *Proceedings of IGNSS Symposium*. Sydney, NSW, Australia: International Global Navigation Satellite Systems Society, November 2011.
- [4] C. Cohen, "Attitude determination using GPS," Ph.D. dissertation, Stanford University, 1992.
- [5] G. Lu, "Development of a GPS multi-antenna system for attitude determination," Ph.D. dissertation, Engineering Department of Geomatics Engineering, University of Calgary, 1995.
- [6] J. L. Crassidis and F. L. Markley, "New algorithm for attitude determination using Global Positioning System signals," *Journal of Guidance, Control, and Dynamics*, vol. 20, no. 5, pp. 891–896, September-October 1997.
- [7] Y. Li, K. Zhang, C. Roberts, and M. Murata, "On-the-fly GPS-based attitude determination using single- and double-differenced carrier phase measurements," GPS Solutions, vol. 8, no. 2, pp. 93–102, 2004.
- [8] D. Lin, L. Voon, and N. Nagarajan, "Real-time attitude determination for microsatellite by LAMBDA method combined with Kalman filtering," in 22 nd AIAA International Communications Satellite Systems Conference and Exhibit 2004, Monterey, California, USA, 2004.
- [9] J. Madsen and E. G. Lightsey, "Robust spacecraft attitude determination using global positioning system receivers," *Journal of Spacecraft and Rockets*, vol. 41, no. 4, pp. 635–643, July-August 2004.
- [10] M. L. Psiaki, "Batch algorithm for global-positioning-system attitude determination and integer ambiguity resolution," *Journal od Guidance, Control, and Dynamics*, vol. 29, no. 5, pp. 1070–1079, September-October 2006.
- [11] P. J. G. Teunissen, "The least-squares ambiguity decorrelation adjustment: a method for fast GPS integer ambiguity estimation," *Journal of Geodesy*, vol. 70, pp. 65–82, 1995.
- [12] P. J. G. Teunissen, P. DeJonge, and C. Tiberius, "The volume of the GPS ambiguity search space and its relevance for integer ambiguity resolution," in *Proceedings of ION GPS*, vol. 9, 1996, pp. 889–898.
- [13] P. J. G. Teunissen, P. De Jonge, and C. Tiberius, "Performance of the LAMBDA method for fast GPS ambiguity resolution," *Navigation*, vol. 44, no. 3, pp. 373–383, 1997.
- [14] F. Boon and B. Ambrosius, "Results of real-time applications of the LAMBDA method in GPS based aircraft landings," in *Proceedings* KIS97, 1997, pp. 339–345.
- [15] D. Cox, "Integration of LAMBDA ambiguity resolution with Kalman filter for relative navigation of spacecraft," in *Institute of Navigation*, *Annual Meeting*, 55 th, Cambridge, MA, 1999, pp. 739–745.
- [16] S. Ji, W. Chen, C. Zhao, X. Ding, and Y. Chen, "Single epoch ambiguity resolution for Galileo with the CAR and LAMBDA methods," GPS Solutions, vol. 11, pp. 259–268, 2007.
- [17] S. Huang, J. Wang, X. Wang, and J. Chen, "The application of the LAMBDA method in the estimation of the GPS slant wet vapour," *Acta Astronomica Sinica*, vol. 50, pp. 60–68, 2009.
- [18] R. Kroes, O. Montenbruck, W. Bertiger, and P. Visser, "Precise GRACE baseline determination using GPS," GPS Solutions, vol. 9, pp. 21–31, 2005
- [19] P. J. G. Teunissen, "An optimality property of the integer least-squares estimator," *Journal of Geodesy*, vol. 73, pp. 587–593, 1999.
- [20] S. Verhagen and P. J. G. Teunissen, "New global navigation satellite system ambiguity resolution method compared to existing approaches," *Journal of Guidance, Control, and Dynamics*, vol. 29, no. 4, pp. 981– 991, 2006.
- [21] C. Park and P. J. G. Teunissen, "A new carrier phase ambiguity estimation for GNSS attitude determination systems," in *Proceedings of International Symposium on GPS/GNSS*, Tokyo, Japan, 2003, pp. 283–290
- [22] P. J. G. Teunissen, "A general multivariate formulation of the multiantenna GNSS attitude determination problem," *Artificial Satellites*, vol. 42, no. 2, pp. 97–111, 2007.
- [23] P. J. Buist, "The baseline constrained LAMBDA method for single epoch, single frequency attitude determination applications," in *Proceedings of the 20th International Technical Meeting of the Satellite Division of The Institute of Navigation (ION GNSS 2007)*, Fort Worth, TX, USA, 2007, pp. 2962 – 2973.

- [24] C. Park and P. J. G. Teunissen, "Integer least squares with quadratic equality constraints and its application to GNSS attitude determination systems," *International Journal of Control, Automation, and Systems*, vol. 7, no. 4, pp. 566–576, 2009.
- [25] G. Giorgi, P. J. G. Teunissen, and P. J. Buist, "A search and shrink approach for the baseline constrained LAMBDA method: Experimental results," in *Proceedings of International Symposium on GPS/GNSS*, A. Yasuda, Ed., Tokyo University of Marine Science and Technology, 2008, pp. 797 – 806.
- [26] G. Giorgi and P. Buist, "Single-epoch, single-frequency, standalone full attitude determination: experimental results," in *Proceedings of the 4th* ESA Workshop on Satellite Navigation User Equipment Technologies, NAVITEC, ESA-ESTEC, The Netherlands, 2008, p. 8.
- [27] G. Giorgi, P. J. G. Teunissen, S. Verhagen, and P. J. Buist, "Instantaneous ambiguity resolution in Global-Navigation-Satellite-System-based attitude determination applications: A multivariate constrained approach," *Journal of Guidance, Control, and Dynamics*, vol. 35, no. 1, pp. 51–67, 2012.
- [28] S. Julier and J. Uhlmann, "A new extension of the Kalman filter to nonlinear systems," in *Int. Symp. Aerospace/Defense Sensing, Simul. and Controls*, vol. 3. Spie Bellingham, WA, 1997, p. 26.
- [29] S. Julier, J. Uhlmann, and H. Durrant-Whyte, "A new method for the nonlinear transformation of means and covariances in filters and estimators," *Automatic Control, IEEE Transactions on*, vol. 45, no. 3, pp. 477 –482, Mar 2000.
- [30] P. J. G. Teunissen, "A-PPP: Array-aided precise point positioning with global navigation satellites systems," *IEEE Transactions on Signal Processing*, vol. 60, no. 6, pp. 1–12, 2012.
- [31] N. Nadarajah, P. J. G. Teunissen, and G. Giorgi, "GNSS attitude determination for remote sensing: On the bounding of the multivariate ambiguity objective function," in *Proceedings of International Associa*tion of Geodesy Symposia (IAGS-2011), Melbourne, Australia, 28 June - 7 July 2011.
- [32] J. R. Wertz, Ed., Spacecraft Attitude Determination and Control. Dordrecht, Holland: D. Reidel Publishing Company, 1978.
- [33] Y. Bar-Shalom, X. Li, and T. Kirubarajan, Estimation with Applications to Tracking and Navigation: Theory Algorithm and Software. John Wiley & Sons, Inc., 2001.
- [34] T. Grelier, A. Garcia, E. Peragin, L. Lestarquit, J. Harr, D. Seguela, J. Issler, C. Ensenat, N. Wilhelm, A. M. Badiola, and P. Colmenarejo, "GNSS in space: Part 1 Formation flying radio frequency missions, techniques, and technology," *Inside GNSS*, vol. November/December, pp. 40–46, 2008.