

## PUBLICATIONS

### BOOK CHAPTERS

1. H.P, Plug, Z. Altamimi, S. Bettadpur, G. Beutler, G. Beyerle, A. Cazenave, D. Crossley, A. Donnellan, R. Forsberg, R. Gross, J. Hinderer, A. Komjathy, C. Ma, A. Mannucci, C. Noll, A. Nothnagel, E.C. Pavlis, M. Pearlman, P. Poli, U. Schreiber, K. senior, P.L. Woodworth, S. Zerbini, C. Zuffada: "The goals, achievements, and tools of modern geodesy", Chapter 2 in Global Geodetic Observing Systems, DOI 10.1007/978-3-642-02687-4\_2, Springer-Verlag, Berlin Heidelberg, 2009.
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### REFEREED ARTICLES

1. E. Loria, I.M. Russo, Y. Wang, G. Sangregorio, C. Galdi, M. Di Bisceglie, B. Wilson, M. Lavallo, A. O'Brien, J. Morton and C. Zuffada: "Comparison of GNSS-R Coherent Reflection Detection Algorithms Using Simulated and Measured CYGNSS Data", *IEEE Transactions on Geoscience and Remote Sensing*, May 2023, DOI: [10.1109/TGRS.2023.3277411](https://doi.org/10.1109/TGRS.2023.3277411)
2. A. Conrad, P. Axelrad, B. Haines, C. Zuffada, A. O'Brien: "Improved Orbit Determination for the CYGNSS Spacecraft Using GipsyX", in *Journal of the Institute of Navigation*, March 2023, DOI:[10.33012/navi.565](https://doi.org/10.33012/navi.565)
3. B. Downs, A. Kettner, B. Chapman, G.R. Brakenridge, A. O'Brien and C. Zuffada: "Assessing the Relative Performance of GNSS-R Flood Extent Observations: Case

Study in South Sudan”, *IEEE Transactions on Geoscience and Remote Sensing*, Jan 2023, DOI: [10.1109/TGRS.2023.3237461](https://doi.org/10.1109/TGRS.2023.3237461)

4. B. Chapman et al.: “Comparison Of SAR And CYGNSS Surface Water Extent Metrics”, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, March 2022, DOI: [10.1109/JSTARS.2022.3162764](https://doi.org/10.1109/JSTARS.2022.3162764)
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#### CONFERENCE PRESENTATIONS

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3. Axelrad, Penina, Zuffada, Cinzia, "Forward Looking Reflections on GNSS-R," *Proceedings of the 2024 International Technical Meeting of The Institute of Navigation*, Long Beach, California, January 2024, pp. 68-77. <https://doi.org/10.33012/2024.19578>

4. E. Loria, C. Zuffada, A. O'Brien: "Modeling GNSS-R Coherent Scattering From Surface Waters With Wind, Waves, And Vegetation", *2022 IEEE International Geoscience and Remote Sensing Symposium IGARSS*, 2022.
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