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Journal publications

- Bezděk, A., Sebera, J., **Encarnação, J. T.**, Klokočník, J., (2016). "Time-variable gravity fields derived from GPS tracking of Swarm". In: *Geophys. J. Int.* 205.3, pp. 1665–1669. DOI: [10.1093/gji/ggw094](https://doi.org/10.1093/gji/ggw094).
- Siemes, C., **de Teixeira da Encarnação, J.**, Doornbos, E., IJssel, J., Kraus, J., Perešty, R., Grunwaldt, L., Apellbaum, G., Flury, J., Holmdahl Olsen, P. E., (2016). "Swarm accelerometer data processing from raw accelerations to thermospheric neutral densities". In: *Earth, Planets Sp.* 68.1, p. 92. DOI: [10.1186/s40623-016-0474-5](https://doi.org/10.1186/s40623-016-0474-5).
- Teixeira da Encarnação, J.**, Arnold, D., Bezděk, A., Dahle, C., Doornbos, E., IJssel, J., Jäggi, A., Mayer-Gürr, T., Sebera, J., Visser, P., Zehentner, N., (2016). "Gravity field models derived from Swarm GPS data". In: *Earth, Planets Sp.* 68.1, p. 127. DOI: [10.1186/s40623-016-0499-9](https://doi.org/10.1186/s40623-016-0499-9).
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- Olsen, N., Alken, P., Beggan, C. D., Chulliat, A., Doornbos, E., **Encarnação, J.**, Floberghagen, R., Friis-Christensen, E. A., Hamilton, B., Hulot, G., IJssel, J., Kuvshinov, A. V. A., Lesur, V., Luhr, H., Macmillan, S., Maus, S., Olsen, P. E. H., Park, J., Plank, G., Püthe, C., Ritter, P., Rother, M., Sabaka, T. J., Stolle, C., Thebault, E., Thomson, A. W. P., Tøffner-Clausen, L., Velimsky, J., Visser, P. N. A. M., Luehr, H., Noja, M., Püthe, C., Rauberg, J., Schachtschneider, R., Sirol, O., Toffner-Clausen, L., Vigneron, P., Püthe, C., Velimský, J., (2013). "The Swarm Satellite Constellation Application and Research Facility (SCARF) and Swarm data products". In: *Earth, Planets Sp.* 65.11, p. 100. DOI: [10.5047/eps.2013.07.001](https://doi.org/10.5047/eps.2013.07.001).
- Visser, P., Doornbos, E., IJssel, J., **Teixeira da Encarnação, J.**, (2013). "Thermospheric density and wind retrieval from Swarm observations". In: *Earth, Planets Sp.* 65.11, pp. 1319–1331. DOI: [10.5047/eps.2013.08.003](https://doi.org/10.5047/eps.2013.08.003).
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- Resendes, D. P., Mota, S., Mendonça, J. T., Sanders, B., **Encarnação, J.**, Del Amo, J. G., (2007). "Laser Propulsion for Ground Launch". In: *J. Propuls. Power* 23.1, pp. 73–80. DOI: [10.2514/1.24527](https://doi.org/10.2514/1.24527).

Conference proceedings (peer-reviewed)

- Gunter, B. C., **Encarnação, J.**, Ditmar, P., Klees, R., Van Barneveld, P. W. L., Visser, P., (2012). "Deriving global time-variable gravity from precise orbits of the Iridium NEXT constellation". In: *Adv. Astronaut. Sci.* Vol. 142, pp. 2087–2096. URL: <http://www.univelt.com/book=3354>.
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- Encarnação, J.**, Ditmar, P., Liu, X., (2008). "Analysis of Satellite Formations in the Context of Gravity Field Retrieval". In: *3rd Int. Symp. Form. Flying, Mission. Technol.* Ed. by K Fletcher. Vol. ESA SP-654. Rijswijk: ESA Communication Production Office, pp. 1–9. URL: [https://pure.tudelft.nl/portal/en/publications/analysis-of-satellite-formations-in-the-context-of-gravity-field-retrieval\(1489930e-7dbd-4a4b-9bf2-f15b8380ad12\).html](https://pure.tudelft.nl/portal/en/publications/analysis-of-satellite-formations-in-the-context-of-gravity-field-retrieval(1489930e-7dbd-4a4b-9bf2-f15b8380ad12).html).
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Invited Presentations

- Teixeira Encarnação, J.** (2017). "Satellite Gravimetry". In: *Summer Sch. Data Assim. its Appl. Oceanogr. Hydrol. Risk Saf. Reserv. Eng.* Sibiu, Romania. URL: <http://data-assimilation.com>.
- Teixeira Encarnação, J.**, Arnold, D., Bezdek, A., Dahle, C., Doornbos, E., Ijssel, J. V. D., Jäggi, A., Mayer-gürr, T., Sebera, J., Visser, P., Zehentner, N., (2015). "First monthly gravity field solutions derived from GPS orbits of Swarm". In: *AGU Fall Meet. Abstr.* San Francisco, CA, USA. URL: <https://agu.confex.com/agu/fm15/webprogram/Paper71877.html>.

Conference Attendance

- Teixeira Encarnação, J.**, Arnold, D., Bezdek, A., Dahle, C., Doornbos, E., Ijssel, J. V. D., Jäggi, A., Mayer-gürr, T., Sebera, J., Shum, C., Visser, P., Zehentner, N., (2017a). "Gravity field models derived from Swarm GPS data". In: *EGU Gen. Assem.* Vienna, Austria. URL: https://www.researchgate.net/publication/319914485_Gravity_field_models_derived_from_Swarm_GPS_data.
- Teixeira Encarnação, J.**, Arnold, D., Bezdek, A., Dahle, C., Jäggi, A., Mayer-gürr, T., Sebera, J., Shum, C., Visser, P., Zehentner, N., (2017b). "Swarm as an Observing Platform for Large Surface Mass Transport Processes". In: *4th Swarm Sci. Meet.* Banff, Canada. URL: <http://tinyurl.com/Swarm-Banff>.
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- Teixeira Encarnação, J.**, Arnold, D., Bezdek, A., Dahle, C., Jäggi, A., Mayer-gürr, T., Sebera, J., Visser, P., Zehentner, N., (2016b). "Gravity field models derived from Swarm GPS data". In: *EGU Gen. Assem.* Vienna, Austria. DOI: [10.13140/RG.2.1.3909.4642](https://doi.org/10.13140/RG.2.1.3909.4642).
- Encarnacao, J.**, Ditmar, P., Klees, R., (2015). "Impact of Orbit Position Errors on Future Satellite Gravity Models". In: *Am. Geophys. Union, Fall Meet. 2015.* G31B-1114. URL: <http://adsabs.harvard.edu/abs/2015AGUFM.G31B1114E>.
- Teixeira Encarnação, J.**, Ijssel, J., Doornbos, E., Visser, P. N., (2015). "Frequency domain combination of POD-driven and measured accelerations". In: *5th Swarm Data Qual. Work.* Paris, France.
- Teixeira Encarnação, J. G.**, Ijssel, J., Doornbos, E., Visser, P., (2014a). "POD-assisted calibration of Swarms Accelerometer Data". In: *4th Swarm Data Qual. Work.* December. Postdam, Germany.
- Teixeira Encarnação, J.**, Doornbos, E., Ijssel, J., Visser, P. N., (2014b). "Combination of Swarm's Uncalibrated Accelerometer Data with POD-Based Accelerometry". In: *3rd Swarm Sci. Meet.* Copenhagen, Denmark, p. 2.
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- Teixeira Encarnação, J.**, Ditmar, P. G., Klees, R., (2008). "Spectral analysis of positioning modelling errors in gravimetric data". In: *IAG Symp. Gravity, Geoid, Earth Obs.* Chania, Greece.

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Conference Contributions

- Doornbos, E., **de Teixeira da Encarnação, t.**, IJss, J., Siemes, C., Grunwaldt, L., Peresty, R., Kraus, J., Flury, J., Apelbaum, G., Olsen, P. E. H., (2016). "Thermospheric neutral densities derived from Swarm accelerometer and GPS data". In: *ESA Living Planet Symposium 2016*.
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- Siemes, C., Grunwaldt, L., Peresty, R., Kraus, J., Doornbos, E., **de Teixeira da Encarnação, t.**, IJssel, J., Flury, J., Apelbaum, G., Olsen, P. E. H., (2016). "Improvements of the Swarm Accelerometer Data Processing". In: *ESA Living Planet Symposium 2016*.
- Astafyeva, E., Zakharenkova, I., Foerster, M., Doornbos, E., **de Teixeira da Encarnação, t.**, Siemes, C., (2015). "Ionospheric and Thermospheric Response to the 2015 St. Patrick's Day Storm: a Global Multi-Instrumental Overview". In: *AGU Fall Meeting Abstracts*.
- Doornbos, E., Siemes, C., **de Teixeira da Encarnação, t.**, Peresty, R., Grunwaldt, L., Kraus, J., Holmdahl Olsen, P., IJssel, J., Flury, J., Apelbaum, G., (2015). "Processing of Swarm Accelerometer Data into Thermospheric Neutral Densities". In: *AGU Fall Meeting Abstracts*.
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- Bruinsma, S., Doornbos, E., Siemes, C., Peresty, R., Kraus, J., Bezdek, A., IJssel, J., **de Teixeira da Encarnação, t.**, Visser, P., (2014). "Results from the First Year of Swarm GPS Receiver and Accelerometer Data." In: *AGU Fall Meeting Abstracts*.
- Doornbos, E., Bruinsma, S., Fritsche, B., Visser, P., Van Den IJssel, J., **de Teixeira da Encarnação, t.**, Kern, M., (2013). "Air density and wind retrieval using GOCE data". In: *ESA Living Planet Symposium*. Vol. 722, p. 7.
- Olsen, N., Alken, P., Beggan, C., Chulliat, A., Doornbos, E., **Encarnação, J.**, Floberghagen, R., Friis-Christensen, E. A., Hamilton, B., Hulot, G., IJssel, J. V. D., Kuvshinov, A. V., Lesur, V., Luhr, H., Macmillan, S., Maus, S., Olsen, P. E. H., Park, J., Plank, G., Püthe, C., Ritter, P., Rother, M., Sabaka, T. J., Stolle, C., Thebault, E., Thomson, A. W. P., Tøffner-Clausen, L., Velimsky, J., Visser, P. N., **Encarnacao, J.**, Floberghagen, R., Friis-Christensen, E. A., Hamilton, B., Hulot, G., IJssel, J. V. D., Kuvshinov, A. V., Lesur, V., Luhr, H., Macmillan, S., Maus, S., Olsen, P. E. H., Park, J., Plank, G., Püthe, C., Ritter, P., Rother, M., Sabaka, T. J., Stolle, C., Thebault, E., Thomson, A. W. P., Tøffner-Clausen, L., Velimsky, J., Visser, P. N., (2013). "SCARF - the swarm satellite constellation application and research facility". In: *ESA Living Planet Symp*. Edinburgh, United Kingdom: European Space Agency, p. 100. URL: https://earth.esa.int/documents/1578837/1580047/61_SCARF_N_Olsen_L2_Processing_Facility.pdf/3679e4e9-44f0-42ee-bc01-4b55ac3113e7;jsessionid=AE42F6E267ADCBF4E4C78047F9AD801C.jvm1.
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- Gunter, B., **de Teixeira da Encarnação, t.**, Ditmar, P., Klees, R., (2011). "An investigation into new advances in geodesy utilizing future satellite constellations". In: *AGU Fall Meeting Abstracts*.

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- Gunter, B, **de Teixeira da Encarnação, t.**, Ditmar, P, Klees, R, (2010). "Using existing satellite constellations to complement current and future dedicated gravity field missions". In: *AGU Fall Meeting Abstracts*.
- Hashemi Farahani, H, Ditmar, P, **de Teixeira da Encarnação, t.**, Liu, X, (2010). "Contribution of an accurate determination of GRACE satellite orbits to precise mass transport modeling". In: *EGU General Assembly Conference Abstracts*. Vol. 12, p. 10867.

Miscellaneous Contributions

- Sneeuw, N., Iran-Pour, S., Reubelt, T., Sneeuw, N., Daras, I., Murböck, M., Gruber, T., Pail, R., Weigelt, M., Dam, T., Visser, P., **Teixeira Encarnação, J.**, IJssel, J., Tonetti, S., Cornara, S., Cesare, S., (2015). *Assessment of Satellite Constellations for Monitoring the Variations in Earth Gravity Field "SC4MGV"*. Tech. rep. European Space Agency. URL: <http://gsp.esa.int/gsp-study-view/-/wcl/gaUaMHco1QJ9/10192/assessment-of-satellite-constellations-for-monitoring-the-variations-in-earth-gravity-field-sc4mgv->.
- Anselmi, A., Cesare, S., Visser, P., Van Dam, T., Sneeuw, N., Gruber, T., Altes, B., Christophe, B., Cossu, F., Ditmar, P., Murböck, M., Parisch, M., Renard, M., Reubelt, T., Sechi, G., **Teixeira Encarnação, J.**, (2010). *Assessment of a next Generation Gravity Mission for Monitoring the Variations of Earth's Gravity Field*. Tech. rep. Thales Alenia Space report SD-RP-AI-0668: ESA Contract No. 22643/09/NL/AF. URL: http://www.iapg.bgu.tum.de/mediadb/5746123/5746124/04_ao7317_rd4-nggm_finalreport_issue2.pdf.