

Argo floats

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Ships of opportunity

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Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSSST12 from Australia – BLUElink and IMOS, Proceedings of the 12th International GHRSSST Science Team Meeting, Edinburgh, UK, June, 2011, Edinburgh, Presenter: Helen Beggs

Kloser, R, McCauley, R 2011, Sustained ecosystem monitoring using passive and active acoustics, Proceedings of IUGG 2011, Melbourne, Australia, Melbourne, Presenter: Rudy Kloser

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Ocean gliders

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Hollings, B, Pattiaratchi, C, Woo, M, Hanson, CE 2010, Sustained oceanographic observations around Australia using autonomous ocean gliders, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney, Presenter: Ben Hollings

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Williams, S, Pizarro, O, Webster, J, Beaman, R, Johnson-Robertson, M, Mahon, I, Bridge, T 2008, AUV-assisted surveying of relic reef sites, Proceedings of Oceans 2008 IEEE, Quebec, Canada, September, 2008, Quebec City

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Rao, D, Williams, S 2009, Large-scale path planning for underwater gliders in ocean currents, Proceedings of the 2009 Australasian Conference on Robotics and Automation, Sydney

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Jakuba, M, Pizarro, O, Williams, S 2010, High resolution, consistent navigation and 3D optical reconstructions from AUVs using magnetic compasses and pressure-based depth sensors, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Steinberg, D, Pizarro, O, Williams, S, Jakuba, M 2010, Dirichlet process mixture models for autonomous habitat classification, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Barrett, N, Seiler, J, Anderson, T, Williams, S, Nicol, S, Hill, N 2010, Using an autonomous underwater vehicle to inform management of biodiversity in shelf waters, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

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Friedman, A, Pizarro, O, Williams, S 2010, Rugosity, slope and aspect from bathymetric stereo image reconstructions, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney, Presenter: Ariell Friedman

- Medagoda, L, Jakuba, M, Pizarro, O, Williams, S 2010, Water column current profile aided localisation for autonomous underwater vehicles, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney, Presenter: Lashika Medagoda
- Steinberg, D, Williams, S, Pizarro, O, Jakuba, M 2010, Towards autonomous habitat classification using Gaussian Mixture Model, Proceedings of Intelligent Robots and Systems (IROS) 2010 IEEE/RSJ International Conference, Taipei
- Friedman, A, Pizarro, O, Williams, S 2011, Interpretation of benthic stereo imagery using 2D and 3D features in an active learning framework, Proceedings of GeoHab 2011, Bulletin of the Geological Society of Finland, Helsinki
- Dansereau, D, Williams, S 2011, Seabed modelling and distractor extraction for mobile AUVs using light field filtering, Proceedings of the IEEE 2010 International Conference on Robotics and Automation Anchorage, USA, May 2010, Anchorage, Presenter: Donald Dansereau
- Medagoda, L, Williams, S 2011, Water column current profile aided localisation combined with view-based SLAM for autonomous underwater vehicle navigation, Proceedings of the IEEE 2010 International Conference on Robotics and Automation Anchorage, USA, May 2010, Anchorage, Presenter: Donald Dansereau
- Mahon, I, Pizarro, O, Jakuba, M 2011, Reconstructing Pavlopetri: mapping the world's oldest submerged town using stereo-vision, Proceedings of the IEEE 2010 International Conference on Robotics and Automation Anchorage, USA, May 2010, Anchorage, Presenter: Lashika Medagoda
- Fang, C, Williams, S 2011, Probabilistic resurvey mission planning, Proceedings of the 2010 Australasian Conference on Robotics and Automation, Brisbane, Presenter: C Fang
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- Beall, C, Dellaert, F, Mahon, I, Williams, S 2011, Bundle adjustment in large-scale 3D reconstructions based in underwater robotic surveys, Proceedings of Oceans 2011 OES/IEEE, Santander, Spain, June, 2011, Santander
- Friedman, A, Steinberg, D, Pizarro, O, Williams, S 2011, Active learning using a variational Dirichlet process model for pre-clustering and classification of underwater stereo imagery., Proceedings of Intelligent Robots and Systems (IROS) 2011 IEEE/RSJ International Conference, San Francisco
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- Steinberg, D, Friedman, A, Pizarro, O, Williams, S 2011, A Bayesian nonparametric approach to clustering data from underwater robotic surveys, Proceedings of the 15th International Symposium on Robotics Research (ISRR) 2011, Flagstaff
- Bryson, M, Johnson-Robertson, M, Pizarro, O, Williams, S 2012, Colour-consistent structure-from-motion models using underwater imagery, Proceedings of the 2012 Robotics: science and systems conference, Sydney, Presenter: Mitchell Bryson
- Bender, A, Williams, S, Pizarro, O 2012, Classification with probabilistic targets, Proceedings of Intelligent Robots and Systems (IROS) 2012 IEEE/RJS International Conference, Vila Moura, Presenter: Asher Bender
- Bewley, M, Douillard, B, Nourani-Vatani, N, Friedman, A, Pizarro, O, Williams, S 2012, Automated species detection: an experimental approach to kelp detection from sea-floor AUV images, Proceedings of the 2012 Australasian Conference on Robotics and Automation, Wellington, Presenter: Michael Bewley
- Warren, M, Corke, P, Pizarro, O, Williams, S, Upcroft, B 2012, Visual sea-floor mapping from low overlap imagery using bi-objective bundle adjustment and constrained motion, Proceedings of the 2012 Australasian Conference on Robotics and
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National mooring network

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Roughan, M, Schaeffer, A, Kioroglou, S 2013, Assessing the design of the NSW-IMOS moored observation array from 2008-2013: recommendations for the future, Proceedings of Oceans 2013 MTS/IEEE, San Diego, USA, September, 2013, San Diego, Presenter: Moninya Roughan

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Wood, JE, Roughan, M, Tate, P 2013, Annual cycling in wind, temperature and along shore currents on the Sydney shelf, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Julie Wood

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Pattiaratchi, C, et, al. 2015, Meteotsunamis in south-western Australia, Proceedings of Coasts and Ports 2015: 22nd Australasian Coastal and Ocean Engineering Conference and the 15th Australasian Port and Harbour Conference, Auckland, Presenter: Charitha Pattiaratchi

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Hawkins, L, Parnum, I, McCauley, R, Saunders, B 2016, Using acoustics to study biological activity in the Perth Canyon, Western Australia, Published Proceedings of the 2nd Australasian Acoustical Societies Conference, ACOUSTICS 2016, Brisbane, Presenter: Lauren Hawkins

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Pattiaratchi, C, Cosoli, S, Mihanovic, H, Middleditch, A 2017, Sustained coastal ocean observations in south-west Australia, Proceedings of Coasts and Ports 2017, Cairns, Presenter: Charitha Pattiaratchi

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Ocean radar

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