

Argo floats

O'Kane, TJ 2010, Results from an ensemble prediction study of the East Australian Current, Proceedings EGU General Assembly 2009, Vienna, Presenter: Terence O'Kane

Wijffels, S, et, al. 2010, Global Progress and Challenges in Monitoring Ocean Temperature and Heat Content, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice, Presenter: Susan Wijffels

Wijffels, S, Palmer, MD, Rayner, N, Goni, GJ, Garzoli, SL, Johnson, C, Willis, J, Dushaw, BD, Roemmich, D, Church, JA, Meyers, G 2010, Progress And Challenges In Monitoring Ocean Temperature And Heat Content, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1), Venice, Italy, 21-25 September 2009, Venice

O'Kane, TJ, Oke, PR, Sandery, PA 2010, An ensemble prediction study of the East Australian Current, Proceedings Computational Techniques and Applications Conference, Sydney, Presenter: Terence O'Kane

Cummings, J, Brassington, GB, Keeley, R, Martin, MJ, Carval, T 2010, GODAE ocean data quality control intercomparison project, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1), Venice, Italy, 21-25 September 2009, Venice, Presenter: James Cummings

Van Wijk, EM, Wijffels, S, Riser, S, Rintoul, S, Speer, K, Klatt, O, Boebel, O, Owens, B, Gascard, J-C, Freeland, HJ, Roemmich, D, Wong, A 2010, Observing high latitudes: Extending the core Argo array, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice, Presenter: Esmee Van Wijk

O'Kane, TJ, Oke, PR, Sandery, PA 2010, An ensemble prediction study of the East Australian Current, Extended abstracts of the fourth CAWCR Workshop 9 November - 11 November 2010 Hobart, Tasmania, Australia, Hobart, Presenter: Terence O'Kane

O'Kane, TJ, Oke, PR, Sandery, PA 2011, Predicting the East Australian Current, Report from GODAE OceanView/CLIVAR GSOP Workshop on Observing System Evaluation and Intercomparisons, Santa Cruz

Conference Proceedings Count 8

Ships of opportunity

Send, U, et, al. 2010, Observing Ocean Boundary Currents, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice, Presenter: Uwe Send

Beggs, H, Sandery, PA, Barass, V, Steinle, P 2011, Australian Bureau of Meteorology SST Requirements for NWP and Atmosphere-Ocean Coupled Models, Proceedings of the 12th GHRSSST Science Team Meeting, Edinburgh, 27 June - 1 July 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

Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSS12 from Australia – BLUElink and IMOS, Proceedings of the 12th GHRSS12 Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Lee, R, Mancini, S, Martinez, G, Lindsay, MCM 2011, Resolving environmental dynamics in Port Phillip Bay, using high repeat sampling off the Spirit of Tasmania 1, Proceedings of Coasts and Ports 2011: 20th Australasian Coastal and Ocean Engineering Conference and the 13th Australasian Port and Harbour Conference, Perth, Presenter: Randall Lee

Beggs, H, Majewski, L, Kruger, G, Verein, R, Oke, PR, Sakov, P, Tingwell, C, Barass, V, Sandery, PA, Griffin, C 2012, Report to GHRSS13 from Australia - BLUElink and IMOS, Proceedings of the 13th GHRSS13 Science Team Meeting, Tokyo

Beggs, H, Griffin, C, Majewski, L, Govekar, P, Sisson, J 2016, Report from the Australian RDAC to GHRSS17, Proceedings of the GHRSS17 Science Team Meeting, Washington DC, Presenter: Helen Beggs

Conference Proceedings Count 7

Deep water moorings

Pender, L, Trull, T, McLaughlin, D, Lynch, T 2010, Pulse - a mooring for mixed layer measurements in the open ocean and extreme weather, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Trull, T, Schulz, E, Bray, SG, Pender, L, McLaughlin, D, Tilbrook, B, Rosenberg, M, Lynch, T 2010, The Australian Integrated Marine Observing System Southern Ocean Time Series facility, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Lynch, T, McLaughlin, D, Hughes, D, Darby, I, de Boer, P, Marouchos, A 2010, Overview of CSIRO Oceanographic Moorings, IEEE Proceedings Oceans 2010 - Seattle, Seattle

Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSS12 from Australia – BLUElink and IMOS, Proceedings of the 12th GHRSS12 Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Beggs, H, Majewski, L, Kruger, G, Verein, R, Oke, PR, Sakov, P, Tingwell, C, Barass, V, Sandery, PA, Griffin, C 2012, Report to GHRSS13 from Australia - BLUElink and IMOS, Proceedings of the 13th GHRSS13 Science Team Meeting, Tokyo

Conference Proceedings Count 5

Ocean gliders

Pattiaratchi, C 2008, Shelf and slope processes offshore Fremantle, Western Australia, Proceedings of the fourteenth biennial international physics of estuaries and coastal seas conference, Liverpool, Presenter: Charitha Pattiaratchi

Pattiaratchi, C, Feng, M, McCauley, R, Lynch, M, D'Adamo, N 2009, The West Australian Integrated Marine Observing System (WAIMOS), Proceedings of Oceans'09, Venice, September 2009, Venice, Presenter: Charitha Pattiaratchi

Hollings, B, Pattiaratchi, C, Woo, M, Hanson, CE 2010, Proceedings of OceanObs'09: Sustained Oceanic observations and information for society conference, Oceanographic observations of the Australian continental shelf and slope waters, Venice

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

Welhena, T, Pattiaratchi, C, Feng, M 2011, Dense water formation and cross-shelf exchange on the Rottneest continental shelf in south-western Australia, Proceedings of Coasts and Ports 2011: 20th Australasian Coastal and Ocean Engineering Conference and the 13th Australasian Port and Harbour Conference, Perth

Penton, J, Pattiaratchi, C 2013, The effects of wind forcing on surface currents on the continental shelf surrounding Rottneest Island, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Jennifer Penton

Conference Proceedings Count 6

Autonomous underwater vehicle

Johnson-Robertson, M, Pizarro, O, Williams, S 2007, Towards Three-Dimensional Heterogeneous Imaging Sensor Correspondence and Registration for Visualization, Proceedings of the IEEE Oceans 2007 Conference, Aberdeen, May 2007, Aberdeen

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 the IEEE Oceans 2008 Conference, Quebec, Canada, September 2008, Quebec City

Pizarro, O, Colquhoun, J, Rigby, P, Johnson-Robertson, M, Williams, S 2008, Towards Image-based Marine Habitat Classification, Proceedings of the IEEE Oceans 2008 Conference, Quebec, Canada, September 2008, Quebec City

Williams, S, Pizarro, O, Mahon, I, Johnson-Robertson, M 2008, Simultaneous Localisation and Mapping and Dense Stereoscopic Seafloor Reconstruction using an AUV, Proceedings of the International Symposium on Experimental Robotics 2008, Athens, Greece, Athens

Pizarro, O, Williams, S, Colquhoun, J 2009, Topic-Based Habitat Classification Using Visual Data, Proceedings of the MTS/IEEE Oceans 2009, Bremen, Germany, May 2009, Bremen

Williams, S, Pizarro, O, Jakuba, M, Barrett, N 2009, AUV benthic habitat mapping in south eastern Tasmania, Proceedings of the 7th International Conference on Field and Service Robotics, Cambridge

Williams, S, Pizarro, O, How, M, Mercer, D, Powell, G, Marshall, J, Hanlon, R 2009, Surveying Nocturnal Cuttlefish Camouflage Behaviour using an AUV, Proceedings of the IEEE 2009 International Conference on Robotics and Automation Kobe, Japan, May 2009, Kobe

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

Barkby, S, Williams, S, Jakuba, M 2009, An efficient approach to bathymetric SLAM, Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems, St. Louis

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

Friedman, A, Pizarro, O, Williams, S 2010, Rugosity, slope and aspect from bathymetric Stereo image reconstructions, Proceedings of the IEEE Oceans 2010 Conference, Sydney, 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 the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney, Presenter: Lashika Medagoda

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 the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

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 the IEEE Oceans 2010, Sydney, May 2010, Sydney

Williams, S, Pizarro, O, Jakuba, M, Mahon, I, Ling, S, Johnson, C 2010, Repeated AUV surveying of urchin barrens in North Eastern Tasmania, Proceedings of the IEEE 2010 International Conference on Robotics and Automation Anchorage, USA, May 2010, Anchorage

Johnson-Robertson, M, Pizarro, O, Williams, S 2010, Saliency ranking for benthic survey using underwater images, Proceedings of the 11th International Conference on Control, Automation, Robotics and Vision, ICARCV 2010, Singapore

Steinberg, D, Williams, S, Pizarro, O, Jakuba, M 2010, Towards autonomous habitat classification using Gaussian Mixture Model, Intelligent Robots and Systems (IROS), 2010 IEEE/RSJ International Conference, Taipei

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

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

Medagoda, L, Williams, S, Pizarro, O, Jakuba, M 2011, Localisation combined with view-based SLAM for Autonomous Underwater Vehicle navigation, Proceedings of the IEEE 2009 International Conference on Robotics and Automation Kobe, Japan, May 2009, Kobe

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

Beall, C, Dellaert, F, Mahon, I, Williams, S 2011, Bundle adjustment in large-scale 3D reconstructions based in underwater robotic surveys, Proceedings of IEEE/OES Oceans 2011, Santander, Spain 6-9 June 2011, Santander

Dansereau, D, Mahon, I, Pizarro, O, Williams, S 2011, Plenoptic flow: Closed-form visual odometry for light field cameras, Proceedings of the 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), San Francisco

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 the 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), San Francisco

Jakuba, M, Steinberg, D, Kinsey, JC, Yoerger, DR, Camilli, R, Pizarro, O, Williams, S 2011, Toward automatic classification of chemical sensor data from autonomous underwater vehicles, Proceedings of the 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), San Francisco

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

Dansereau, D, Williams, S 2011, Seabed Modeling 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

Barkby, S, Williams, S, Pizarro, O, Jakuba, M 2012, Bathymetric SLAM with no map overlap using Gaussian Processes, Proceedings of the 2012 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), San Francisco

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 (ACRA), 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 Automation (ACRA), Wellington, Presenter: M Warren

Bender, A, Williams, S, Pizarro, O 2012, Classification with Probabilistic Targets, Proceedings of the 2012 IEEE/RJS International Conference on Intelligent Robots and Systems, Vila Moura, Presenter: Asher Bender

Bryson, M, Johnson-Robertson, M, Pizarro, O, Williams, S 2012, Proceedings of the 2012 Robotics: Science and Systems Conference, Colour-consistent structure-from-motion models using underwater imagery, Sydney, Presenter: Mitchell Bryson

Bongiorno, D, Bryson, M, Dansereau, D, Williams, S 2013, Spectral characterisation of COTS RGB cameras using a linear variable edge filter, Proceedings of the 2013 SPIE Electronic Imaging Conference, Burlingham, Presenter: Daniel Bongiorno

Bewley, M, Nourani-Vatani, N, Rao, D, Douillard, B, Pizarro, O, Williams, S 2013, Hierarchical classification in AUV imagery, Proceeding of Field and Service Robotics, Results of the 9th International Conference, Brisbane, Presenter: Michael Bewley

Steinberg, D, Pizarro, O, Williams, S 2013, Synergistic clustering of image and segment descriptors for unsupervised scene understanding, Proceedings of 2013 IEEE International Conference on Computer Vision (ICCV), Sydney, Presenter: Daniel Steinberg

Bryson, M, Johnson-Robertson, M, Pizarro, O, Williams, S 2013, Automated registration for multi-year robotic surveys of marine benthic habitats, Proceedings of 2013 IEEE/RSJ Intelligent Robots and Systems (IROS), Taipei, Presenter: Mitchell Bryson

Bongiorno, D, Fairly, A, Bryson, M, Williams, S 2013, Automated spectrometer/RGB camera spatial calibration, Proceedings of 2013 IEEE International Geoscience and Remote Sensing Symposium (IGARSS) , Melbourne, Presenter: Daniel Bongiorno

Dansereau, D, Pizarro, O, Williams, S 2013, Decoding, calibration and rectification for lenselet-based plenoptic cameras, Proceedings of 26th IEEE Conference on Computer Vision and Pattern Recognition, Portland, Presenter: Donald Dansereau

Dansereau, D, Bongiorno, D, Pizarro, O, Williams, S 2013, Light field image denoising using a linear 4D frequency-hyperfan all-in-focus filter, Proceedings of the 2013 SPIE Electronic Imaging Conference, Burlingham, Presenter: Donald Dansereau

Rao, D, Nourani-Vatani, N, Douillard, B, Williams, S, Pizarro, O 2014, Multimodal learning from visual and bathymetric data, Proceedings of the IEEE 2014 International Conference on Robotics and Automation, Hong Kong, Presenter: Dushyant Rao

Nourani-Vatani, N, Williams, S 2015, Structured output prediction with hierarchical loss functions for seafloor imagery taxonomic categorization, Proceedings of the 7th Iberian Conference on Pattern Recognition and Image Analysis, Santiago de compostela

Marzloff, M, Barrett, N, Holbrook, N, Oliver, N, James, L 2015, Distribution models of temperate habitat-forming species on the continental shelf in eastern Australia: setting the baseline to monitor and predict future changes, MODSIM2015 proceedings : 21st International Congress on Modelling and Simulation, Brisbane, Presenter: Martin Marzloff

Rao, D, Bender, A, Williams, S, Pizarro, O 2016, Multimodal information-theoretic measures for autonomous exploration, Proceedings of the IEEE 2016 International Conference on Robotics and Automation (ICRA), Stockholm

Conference Proceedings Count 44

National mooring network

Lynch, T, McLaughlin, D, Hughes, D, Cherry, D, Critchley, G, Allen, S, Pender, L, Thompson, P, Richardson, A, Coman, F, Steinberg, C, Terhell, D, Roughan, M, Seuront, L, McLean, CM, Brinkman, GW, Meyers, G 2008, A National Reference Station infrastructure for Australia – using telemetry and central processing to report multi-disciplinary data streams for monitoring marine ecosystem response to climate change, Proceedings of the IEEE Oceans 2008 Conference, Quebec, Canada, September 2008, Quebec City

Bainbridge, S, Steinberg, C, Heron, M, Rigby, P 2009, The role of observation systems in coral reef monitoring and management, Proceedings of the 2009 Joint Assembly of the American Geophysical Union, Toronto 2009, Toronto

Hughes, D, Lynch, T 2010, Update on Australia's National Reference Stations, IEEE Proceedings Oceans 2010 - Seattle, Seattle

Dushaw, BD, Au, W, Beszczynska-Muller, A, Brainard, RE, Cornuelle, B, Duda, T, Dzieciuch, M, Forbes, A, Freitag, L, Gascard, J-C, Gavrilov, AS, Gould, J, Howe, B, Jayne, SR, Johannessen, OM, Lynch, JF, Martin, D, Menemenlis, D, Mikhalevsky, P, Miller, JH, Moore, SE, Munk, W, Nystuen, J, Odom, RI, Orcutt, J, Rossby, T, Sagen, H, Sandven, S, Simmen, J, Skarsoulis, E, Southall, B, Stafford, K, Stephen, R, Vigness-Raposa, K, Vinogradov, S, Wong, KB, Worcester, P, Idquo, A 2010, A Global Ocean Acoustic Observing Network, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice

Jaffres, JBD, Heron, M, Middleditch, A, Steinberg, C 2010, Waves in the Southern Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Lynch, T, McLaughlin, D, Hughes, D, Darby, I, de Boer, P, Marouchos, A 2010, Overview of CSIRO Oceanographic Moorings, IEEE Proceedings Oceans 2010 - Seattle, Seattle

Hughes, D, Lynch, T, Pender, L, Sherlock, M 2010, A Robust Satellite telemetry system for IMOS moorings, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Bainbridge, S, Steinberg, C, Heron, M, Furnas, M 2010, Integrating Observation Systems: An Example from the Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Roughan, M, Morris, BD 2011, Using high-resolution ocean timeseries data to give context to long term hydrographic sampling off Port Hacking, NSW, Australia, Proceedings of MTS/IEEE Oceans 2011, Kona

Morello, E, Lynch, T, Slawinski, D, Howe, B, Hughes, D, Timms, GP 2011, Quantitative Quality Control (QC) procedures for the Australian National Reference Stations: Sensor Data, Proceedings of MTS/IEEE Oceans 2011, Kona

Schaeffer, A, Roughan, M, Morris, BD, Rossi, V 2012, Physical Variability on the Shelf off NSW Australia: New Insights from the NSW Integrated Marine Observing System, Proceedings of AOGS - AGU (WPGM) Joint Assembly, Singapore

Roughan, M, Galibert, G, Morris, BD 2012, Using high-Resolution Ocean Timeseries Data to Give Context to 50 years of Hydrographic Sampling off Sydney, Australia, Proceedings of AOGS - AGU (WPGM) Joint Assembly, Singapore, Presenter: Moninya Roughan

Gavrilov, AS, McCauley, R, Pattiaratchi, C, Bondarenko, O 2012, The use of passive acoustics to observe the presence and movement of pygmy blue whales (*Balaenoptera musculus brevicauda*), Published proceedings of the 11th European Conference on Underwater Acoustics, Edinburgh

Williams, DK, Steinberg, C, Rigby, P, Brinkman, R 2013, Observations in support of port activities: recent developments and future opportunities, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: David Williams

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 MTS/IEEE Oceans 2013, San Diego, Presenter: Moninya Roughan

Atwater, DP, Mantovanelli, A, Prytz, A, Rehder, S, Wyatt, LR 2013, Operational requirements for oceanographic ground-wave HF radars: experiences from the Australian Coastal Ocean Radar Network, Proceedings of the 2013 International Conference on Radar, Adelaide, Presenter: Dan Atwater

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

Steinberg, C, Brinkman, R, Rigby, P, Tonin, H, Herzfeld, M, Hughes, D 2013, Q-IMOS monitoring and eReefs modeling: a partnership to inform our understanding of the tropical North Queensland coast, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Paul Rigby

Pattiaratchi, C, et. al. 2015, Meteosunamis 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

Middleditch, A, Cosoli, S 2016, Operational Data Management procedures for the Australian Coastal radar network, Proceedings of Oceans 16 MTS/IEEE Monterey, Monterey, Presenter: Simone Cosoli

Erbe, C, McCauley, R, Gavrilov, AS, Madhusudhana, S, Verma, A 2016, The underwater soundscape around Australia, Proceedings of Acoustics 2016, Brisbane, Presenter: Christine Erbe

Conference Proceedings Count 21

Ocean radar

Heron, M 2007, Tsunami monitoring by HF ocean radar: Time and space scales, Proceedings of the IEEE Oceans 2007 Conference, Aberdeen, May 2007, Aberdeen

Heron, M, Prytz, A 2009, HF Radar role in an Integrated Ocean Observing System, Proceedings of the MTS/IEEE Oceans 2009, Bremen, Germany, May 2009, Bremen

Bainbridge, S, Steinberg, C, Heron, M, Furnas, M 2010, Integrating Observation Systems: An Example from the Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Jaffres, JBD, Heron, M, Middleditch, A, Steinberg, C 2010, Waves in the Southern Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Heron, M, Marrone, P 2010, Wind Direction Manifestation on HF Ocean Radar Echoes, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Mantovanelli, A, Heron, M, Prytz, A 2010, The use of HF radar surface currents for computing Lagrangian trajectories: benefits and issues, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Atwater, DP, Heron, M 2010, Error estimates for HF ocean radar surface currents, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Mantovanelli, A, Heron, M, Prytz, A, Steinberg, C, Wisdom, D 2011, Validation of radar-based Lagrangian trajectories against surface-drogued drifters in the Coral Sea, Australia, Proceedings of MTS/IEEE Oceans 2011, Kona

Heron, M, Prytz, A 2011, The data archive for the phased array HF radars in the Australian Coastal Ocean Radar Network, Proceedings of IEEE/OES Oceans 2011, Santander, Spain 6-9 June 2011, Santander

Heron, M, Prytz, A, Steinberg, C 2011, High Resolution Ocean Radar Observations in Ports and Harbours, Proceedings of Coasts and Ports 2011: 20th Australasian Coastal and Ocean Engineering Conference and the 13th Australasian Port and Harbour Conference, Perth

Mantovanelli, A, Heron, M 2012, Radar-based tracking of pollutants and larvae in the Coral Sea, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Alessandra Mantovanelli

Heron, M 2012, VHF Ocean Radar for surface currents appraisal at ocean power sites, Proceedings of the 10th European Wave and Tidal Energy Conference, Southampton

Heron, M, Savidge, D, Blanton, JO 2012, VHF radar measurements of flow in a salt marsh creek, Proceedings of MTS/IEEE Oceans 12, Hampton Roads

Heron, M, Mantovanelli, A, DiMassa, D, Heron, SF 2012, Coastal ocean radars applied to coral reef science and management, Proceedings of the 12 International Coral Reef Symposium, Cairns

Atwater, DP, Mantovanelli, A, Prytz, A, Rehder, S, Wyatt, LR 2013, Operational requirements for oceanographic ground-wave HF radars: experiences from the Australian Coastal Ocean Radar Network, Proceedings of the 2013 International Conference on Radar, Adelaide, Presenter: Dan Atwater

Wyatt, LR, Atwater, DP, Prytz, A, Rehder, S 2013, A comparison between SeaSonde and WERA HF radar current measurements, Proceedings of MTS/IEEE Oceans 2013, Bergen, Presenter: Lucy Wyatt

Wyatt, LR, Atwater, DP, Mantovanelli, A, Prytz, A, Rehder, S 2013, The Australian Coastal Ocean Radar Network: Data availability and quality, Proceedings of the 14th International Radar Symposium 2013, Dresden, Presenter: Lucy Wyatt

Penton, J, Pattiaratchi, C 2013, The effects of wind forcing on surface currents on the continental shelf surrounding Rottneest Island, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Jennifer Penton

Wyatt, LR 2013, HF Radar: applications in coastal monitoring, planning and engineering, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Lucy Wyatt

Heron, M, Atwater, DP 2014, QA, QC and accuracy for HF ocean radars, Proceedings of OCEANS'14 MTS/IEEE, Taipei, Presenter: Mal Heron

Wyatt, LR 2014, Wave measurements from the Australian Coastal Ocean Radar Network, Proceedings of OCEANS'14 MTS/IEEE, Taipei, Presenter: Lucy Wyatt

Penton, J, Pattiaratchi, C 2015, Surface currents on the Rottneest continental shelf, Coasts and Ports 2015: 22nd Australasian Coastal and Ocean Engineering Conference and the 15th Australasian Port and Harbour Conference, Auckland, Presenter: Jennifer Penton

Middleditch, A, Wyatt, LR, James, C 2015, Wave measurements from the Australian Coastal Ocean Radar paper, Proceedings of Coasts and Ports 2015: 22nd Australasian Coastal and Ocean Engineering Conference and the 15th Australasian Port and Harbour Conference, Auckland, Presenter: Andrew Middleditch

Middleditch, A, Cosoli, S 2016, The Australian Coastal Ocean Radar Network: Temporal and spatial scales of HF radar wave data, Proceedings of Oceans'16 MTS/IEEE, Shanghai, Presenter: Andrew Middleditch

Middleditch, A, Cosoli, S 2016, Operational Data Management procedures for the Australian Coastal radar network, Proceedings of Oceans 16 MTS/IEEE Monterey, Monterey, Presenter: Simone Cosoli

Conference Proceedings Count 25

Animal tracking

O'Dor, R, Dagorn, L, Holland, K, Jonsen, I, Payne, J, Sauer, W, Semmens, J, Stokesbury, MJW, Smith, P, Whoriskey, F 2010, The Ocean Tracking Network, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice, Presenter: R O'Dor

Heupel, M, Webber, D 2013, Trends in acoustic tracking: where are the fish going and how will we follow them? , Proceedings of Advances in Fish Tagging and Marking Technology, Auckland, Presenter: Michelle Heupel

Laffan, SW, Taylor, M 2013, FishTracker: A GIS toolbox for kernel density estimation of animal home ranges that accounts for transit times and hard boundaries, Proceedings of MODSIM2013, Adelaide, Presenter: Shawn Laffan

Conference Proceedings Count 3

Wireless sensor networks

Bainbridge, S, Rehbein, MA, Feather, G, Eggeling, D 2008, Sensor networks on the Great Barrier Reef - managing marine sensor data, Proceedings of the Environmental Information Management Conference, Albuquerque, 2009, Albuquerque

Bainbridge, S, Steinberg, C, Heron, M, Furnas, M 2010, Integrating Observation Systems: An Example from the Great Barrier Reef , Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Bainbridge, S 2010, The Design Of A Novel Time Series Client For Ocean Data, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney, Presenter: Scott Bainbridge

Bainbridge, S, Eggeling, D 2010, Smart Sensors - A New Paradigm For Marine Management: An Example From The Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Bainbridge, S 2010, GBROOS – An Ocean Observing System for the Great Barrier Reef, Proceedings of the Eleventh International Coral Reef Symposium, 2008, Fort Lauderdale, Presenter: Scott Bainbridge

Bainbridge, S, Page, G, Jaroensutasinee, M, Jaroensutasinee, K 2011, Towards a services based architecture for real time marine observing data, Proceedings of MTS/IEEE Oceans 2011, Kona

Bainbridge, S 2011, A Services based architecture for achieving interoperability of environmental observational data., Proceedings of the Environmental Information Management Conference 2011 , Santa Barbara, Presenter: Scott Bainbridge

Skirving, WJ, Dove, SG, Hoegh-Guldberg, O, Berkelmans, R, Bainbridge, S, Wachenfeld, D, Iglesias-Prieto, R, Eakin, M, Enriquez, S, Mason, R 2012, Next Generation satellite tools: understanding environmental stress on coral reefs, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: William Skirving

Woolsey, E, Bainbridge, S, Kingsford, MJ, Byrne, M 2012, Impacts of Cyclone Hamish at One Tree Reef, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Erika Woolsey

Burgess, T, Hendee, J, Heron, SF, Bainbridge, S, Gramer, L 2012, SeaDriod: low-cost, real-time water temperature logging, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Tim Burgess

Hendee, J, Jankulak, M, Shoemaker, M, Gramer, L, Burgess, T, Heron, M, Amornthammarong, N, Bainbridge, S, Skirving, WJ 2012, Wireless architecture for coral reef environmental monitoring, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Jim Hendee

Jaroensutasinee, M, Jaroensutasinee, K, Bainbridge, S, Fountain, T, Chumkiew, S, Noonsang, P, Kuhapong, U, Vannarat, S, Poyai, A, Nekrasov, M 2012, Sensor networks applications for reefs at Racha Island, Thailand, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Mullica Jaroensutasinee

Jaroensutasinee, K, Jaroensutasinee, M, Bainbridge, S, Fountain, T, Holbrook, SJ, Nekrasov, M 2012, CREON: integrating disparate sources of remote coral reef sensor data, Proceedings of the 12th International Coral Reef Symposium, Cairns, Presenter: Krisanade Jaroensutasinee

Page, G, Bainbridge, S, Gardner, S, Hahn, S 2014, Development of a coral reef observing system using 802.11 wireless at Heron Island, Great Barrier Reef, Proceedings of OCEANS'14 MTS/IEEE, Taipei, Presenter: Geoff Page

Page, G, Bainbridge, S, Gardner, S, Hahn, S 2014, Implementation of low-cost, long-range microwave links on the Great Barrier Reef using evaporation duct transmission, Proceedings of OCEANS'14 MTS/IEEE, Taipei, Presenter: Geoff Page

Conference Proceedings Count 15

Australian Ocean Data Network

Proctor, R 2008, The Australian Integrated Marine Observing System, Proceedings of the American Geophysical Union Fall Meeting, San Fransisco, 2008, San Fransisco, Presenter: Roger Proctor

Moltmann, T, Proctor, R, Hill, K, Wiltshire, M 2010, The Integrated Marine Observing System – delivering data-streams to support marine research and applications, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Reed, G, Proctor, R, Ebeling, W, Gorringe, P 2011, IODE 50th Anniversary Interntational Conference Proceedings, Australia's Interface to Open Access Marine Data, Liege, Presenter: Greg Reed

Glaves, HM, Miller, SP, Proctor, R, Schaap, D 2013, Ocean Data Interoperability Platform (ODIP): developing a common framework for marine data management on a global scale, Bulletin of geophysics and theoretical application - An

Proctor, R, Finney, K, Mancini, S 2013, Vocabulary enhancements for the Australian Ocean Data Network, Bulletin of geophysics and theoretical application - An International Journal of Earth Sciences, Lucca, Presenter: Sebastien Mancini

Pearlman, J, Schaap, D, Glaves, HM 2016, Ocean Data Interoperability Platform (ODIP): Addressing key challenges for marine data management on a global scale, Proceedings of the OCEANS 2016 MTS/IEEE Monterey, Monterey

Conference Proceedings Count 6

Satellite remote sensing

Bainbridge, S, Steinberg, C, Heron, M, Rigby, P 2009, The role of observation systems in coral reef monitoring and management, Proceedings of the 2009 Joint Assembly of the American Geophysical Union, Toronto 2009, Toronto

Beggs, H, Majewski, L, Paltoglou, G 2009, New Australian High Resolution AVHRR SST Products from the Integrated Marine Observing System, GHRSSST 2009 International Users Symposium Conference Proceedings, Santa Rosa, USA, May 2009, Santa Rosa

Paltoglou, G, Beggs, H, Majewski, L 2010, New Australian High Resolution AVHRR SST Products from the Integrated Marine Observing System, Extended Abstracts of the 15th Australian Remote Sensing and Photogrammetry Conference, Alice Springs, 13-17 September, 2010, Alice Springs

Malthus, T, Brando, V, Jones, S, Held, A, Dekker, AG 2010, Australian activities in calibration and validation for Hyperspectral sensors, Proceedings of Hyperspectral Workshop 2010, 17th-19th March, Frascati, Italy, Frascati

Brando, V, Keen, R, Daniel, P, Baumeister, A, Nethery, M, Baumeister, H, Hawdon, A, Swan, G, Mitchell, R, Campbell, S, Schroeder, T, Park, Y-J, Edwards, R, Steven, A, Allen, S, Clementson, L, Dekker, AG 2010, The Lucinda Jetty Coastal Observatory's role in satellite ocean colour calibration and validation for Great Barrier Reef coastal waters, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Beggs, H, Verein, R, Paltoglou, G 2010, Calibration and Validation of AVHRR Sea Surface Temperatures using Observations from Ships of Opportunity, Proceedings "Oceans from Space" Venice 2010, Venice

Beggs, H, Majewski, L, Paltoglou, G, Schulz, E, Barton, I, Verein, R 2010, Report to GHRSSST11 from Australia - BLUElink and IMOS, Proceedings of the 11th GHRSSST Science Team Meeting, Lima, 21-25 June 2010, Lima, Presenter: Ian Barton

Bainbridge, S, Steinberg, C, Heron, M, Furnas, M 2010, Integrating Observation Systems: An Example from the Great Barrier Reef, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R 2011, Updated Results from the In Situ Calibration Site in Bass Strait, Australia, Proceedings of the Ocean Surface Topography Science Team (OSTST) meeting, 2012, San Diego, Presenter: Chris Watson

Beggs, H, Sandery, PA, Barass, V, Steinle, P 2011, Australian Bureau of Meteorology SST Requirements for NWP and Atmosphere-Ocean Coupled Models, Proceedings of the 12th GHRSSST Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSSST12 from Australia - BLUElink and IMOS, Proceedings of the 12th GHRSSST Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Kaiser-Weiss, A, Beggs, H, Hoyer, J, Harris, A, Corlett, G, Wick, G 2012, Summary of the Joint Workshop of the DV-WG, HL-TAG, ST-VAL, and EARWIG on Tropical Warm Pool and High Latitude SST Issues, Proceedings of the GHRSSST XIII Science Team Meeting, Tokyo, Presenter: A Kaiser-Weiss

Beggs, H, Majewski, L, Kruger, G, Verein, R, Oke, PR, Sakov, P, Tingwell, C, Barass, V, Sandery, PA, Griffin, C 2012, Report to GHRSSST13 from Australia - BLUElink and IMOS, Proceedings of the 13th GHRSSST Science Team Meeting, Tokyo

Beggs, H, Castro, S, Wick, G, Majewski, L, LeBorgne, P, Merchant, C, Brunke, M, Clayson, CA, Zhu, X, Corlett, G, Barass, V, Tingwell, C, Sandery, PA, Schulz, E, Kruger, G, Harris, A, Mittaz, J, Gentemann, C, Embury, O 2012, Update on the GHR SST Tropical Warm Pool Diurnal Variability (TWP+) Project, Proceedings of the GHR SST XIII Science Team Meeting, Tokyo, Presenter: Helen Beggs

Cancel, M, Watson, C, Haines, BJ, Bonnefond, P, Lyard, F, Femenias, P 2015, Regional cal/val of altimeter range at non-dedicated sites in preparation of sentinel-3, Proceedings of Sentinel-3 for Science 2015, 2-5 June 2015. ESA SP-734, Venice, Presenter: Chris Watson

Beggs, H, Griffin, C, Majewski, L, Govekar, P, Sisson, J 2016, Report from the Australian RDAC to GHR SST-XVII, Proceedings of the GHR SST XVII Science Team Meeting, Washington DC, Presenter: Helen Beggs

Conference Proceedings Count 16

IMOS Office

Allen, S 2011, Australia's Integrated Marine Observing System observation methods and technology review, Proceedings of MTS/IEEE Oceans 2011, Kona, Presenter: Simon Allen

Moltmann, T 2011, Ocean observing systems a national perspective from Australia, Proceedings of GEOSS Workshop XLII - Oceans, 2011, Kona

Moltmann, T 2013, The Integrated Marine Observing System: observations to support research and applications in the coastal zone, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Tim Moltmann

Pearlman, J, Schaap, D, Glaves, HM 2016, Ocean Data Interoperability Platform (ODIP): Addressing key challenges for marine data management on a global scale, Proceedings of the OCEANS 2016 MTS/IEEE Monterey, Monterey

Conference Proceedings Count 4

No Associated Facility

Allen, S 2009, The Australian Integrated Marine Observing System (IMOS) - from initiation to operation, Proceedings of the MTS/IEEE Oceans 2009, Biloxi, Presenter: Simon Allen

Pattiaratchi, C, Feng, M, McCauley, R, Lynch, M, D'Adamo, N 2010, Proceedings of OceanObs'09: Sustained Oceanic observations and information for society conference, The West Australian Integrated Marine Observation System (WAIMOS): Interactions between the Leeuwin Current and the continental shelf, Venice

Conference Proceedings Count 2