

# Western Australian Integrated Marine Observing System



## Research Projects

WAMSI Node 2: Leeuwin Current dynamics and variability, Commonwealth Scientific Industrial Research Organisation, University of Western Australia, Ming Feng, Dirk Slawinski, Liejun Zhong, 2006-2011

WAMSI Node 1: Southwest Australia marine ecosystem, Commonwealth Scientific Industrial Research Organisation, University of Western Australia, John Keesing, Ming Feng, Dirk Slawinski, 2006-2011

Habitat use and migration patterns of silvertip and grey reef sharks at the Rowley Shoals, Western Australia, Macquarie University, University of Adelaide, Iain Field, Mark Meekan, Corey Bradshaw, 2007-2009

WAMSI Node 3 Ningaloo Research Program. Adequacy of zoning in the Ningaloo Marine Park, R Pillans, Russ Babcock, James Patterson, Jason How, G Hyndes

WAMSI Node 3 Ningaloo Research Program: Diversity, abundance and habitat utilisation of sharks and rays., John Stevens, Peter Last, W White, Rob McCauley, Mark Meekan

Deployment of ocean gliders as part of WAIMOS, University of Western Australia, Charitha Pattiaratchi, 2008-2011, Partner Institution(s): WAMSI, Funding: Western Australian Marine Science Institution

Modeling of source-sink relation of western rock lobster recruitment, Fisheries Research & Development Corporation, Nick Caputi, Ming Feng, Evan Weller, 2009-2011, Partner Institution(s): Department of Fisheries, CSIRO

Transient Coastal Upwelling Along Ningaloo Reef Project , University of Western Australia, Gregory Ivey, Ryan Lowe, Charitha Pattiaratchi, 2009-2011, Funding: ARC

Animations of raw temperature and anomalies for all Commonwealth Marine Reserves to inform the review and revision, in particular, of management plans for the following Reserves: Ashmore, Cartier, Ningaloo, and Mermaid, University of Melbourne, Jeffrey Maynard

Management implications of climate change on fisheries in WA, Fisheries Research & Development Corporation, Nick Caputi, Ming Feng, 2010-2013, Partner Institution(s): Dep of Fisheries WA, CSIRO

AUV Data Analysis for Predictability in Time-Evolving Regimes (ADAPTER), Naval Resesarch Lab, Jeff Book, 2010-2012, Partner Institution(s): UWA, AIMS, Funding: US-NRL

Establishment of a cost-effective monitoring program to detect changes in the structure of benthic invertebrate and macroalgae assemblages in the West Coast Bioregion, University of Western Australia, University of Sydney, Dan Smale, Gary Kendrick, Euan Harvey, 2010-2013, Funding: Western Australian Marine Science Institution

Ocean-reef interactions as drivers of continental shelf productivity in a changing climate, University of Western Australia, University of New South Wales, Anya Waite, Moninya Roughan, Charitha Pattiaratchi, Jonne Kotta, Helen Orav-Kotta, 2010-2012, Funding: ARC

New Insights From Ocean Gliders - Comparing Oceanographic Forcing of Phytoplankton Dynamics in Two Very Different Eastern Boundary Current Regions, University of Western Australia, University of Washington, Christine Hanson, Peter Rhines, Funding: University of Western Australia

Environmental factors affecting the low puerulus settlements, Fisheries Research & Development Corporation, Nick Caputi, Ming Feng, 2010-2013, Partner Institution(s): Dep of Fisheries, CSIRO

Importance of Internal Waves in the Stimulation of Primary Productivity at Ningaloo Reef, University of Western Australia, Australian Institute of Marine Science, Ryan Lowe, Nicole Jones, Richard Brinkman, Peter Strutton, Jim Falter, Gregory Ivey, 2011-2012, Partner Institution(s): UWA, AIMS, UTas, Funding: ANNIMS

WAMSI Node 2: Ningaloo, Australian Institute of Marine Science, University of Western Australia, Richard Brinkman, Partner Institution(s): AIMS, Funding: Australian Institute of Marine Science, Western Australian Marine Science Institution

Project 2: Analysis of approaches for monitoring biodiversity in Commonwealth waters, Commonwealth Scientific Industrial Research Organisation, University of Tasmania, Keith Hayes, Jeffrey Dambacher, Emma Lawrence, Russ Babcock, Rhys Leeming, Alan Williams, Neville Barrett, Nicole Hill, Vanessa Lucieer, Gary Kendrick, Euan Harvey, Scott Nichol, 2011-2014, Partner Institution(s): AIMS, CSIRO, GA, UTAS, UWA, Funding: National Environmental Research Program (NERP)

Sediment dynamics in muddy estuaries, Australian Defence Force Academy, Australian Institute of Marine Science, International Petroleum Exploration Corporation, David Williams, Xiao Hua Wang, 2011-2014, Funding: ADFA, Australian Institute of Marine Science, Oceanology Institute China, INPEX

Leeuwin current and capes current dynamics, Commonwealth Scientific Industrial Research Organisation, Liejun Zhong, Ming Feng, 2011-2012, Funding: CSIRO

Analysis of approaches for monitoring biodiversity in the Commonwealth marine area: Houtman Abrolhos Islands, Keith Hayes, 2011-2015, Funding: National Environmental Research Program (NERP)

Ocean carbon and acidification, Bronte Tilbrook, Andrew Lenton, Partner Institution(s): AIMS, UQ, USyd, UNSW, UWA, NOAA(USA) NIES(Japan), IPSL(France), Funding: Australian Climate Change Science Program (ACCSP), CSIRO

Sea breeze forcing of near-inertial wave near the critical latitude for resonance, University of Western Australia, Florence Kaempf, Charitha Pattiaratchi, 2011-2012, Partner Institution(s): Bangor University, UK (John Simpson) and Hydrographic Institute of the Republic of Croatia, Split, Croatia (Hrvoje Mihanovic), Funding: Group of Eight European Fellowship

Tidal variability and mixing on the Australian North West Shelf, University of Western Australia, Samuel Kelly, Nicole Jones, Gregory Ivey, Ryan Lowe, 2011-2012, Funding: University of Western Australia, Australian Institute of Marine Science, CSIRO

Acoustic tracking of top-order predators on offshore coral atolls of the NW Shelf, Australian Institute of Marine Science, Maquarie University, University of Western Australia, Mark Meekan, Rob Harcourt, 2011-2016

Scientific Support for Managing Australia's Marine Biodiversity - a National Marine Biodiversity Hub, University of Tasmania, Nicholas Bax, Chris Austin, Russ Babcock, Neville Barrett, Mark Bravington, Brendan Brooke, Julian Michael Caley, Piers Dunstan, Karen Edyvane, Peter Harris, Sarah Jennings, Gary Kendrick, Tim O'Hara, Sean Pascoe, Bob Pressey, Wendy Proctor, Tony Smith, Chris Wilcox, 2011-2015, Partner Institution(s): AIMS, CDU, CSIRO, GA, Museum Victoria, JCU, UTas, UWA, Funding: National Environmental Research Program (NERP)

Ocean-shelf exchange with an emphasis on the role of waves, tides, eddies and cross-shelf flows on carbon exchange, University of Western Australia, University of Tasmania, James Cook University, Charitha Pattiaratchi, Roger Proctor, Peter Ridd, 2011-2012, Partner Institution(s): UWA, JCU, AIMS, UTas, CSIRO, UNSW, UTS, SARDI/Flinders, IOC, Proudman Oceanographic Laboratory, University of Southern Mississippi, University of Maryland, Baltic Sea Research Institute, Funding: ANNIMS

Understanding climate drivers and predicting the future for coastal Australian ecosystems, University of Tasmania, Peter Strutton, Jayson Semmens, Caleb Gardner, Gary Griffith, 2011-2013, Partner Institution(s): UWA, JCU, Funding: ANNIMS

The connectivity of the Australian North West Shelf with the Leeuwin Current, University of Western Australia, Australian Institute of Marine Science, Naval Research Lab, Gregory Ivey, Ryan Lowe, Peter Strutton, Nicole Jones, Miles Furnas, Richard Brinkman, 2012-2013, Partner Institution(s): UWA, AIMS, US-NRL, UTAS, Funding: NICOP

The IMOS Plankton Ecosystem Assessment Report, Commonwealth Scientific Industrial Research Organisation, Anthony Richardson, 2012-2013, Funding: CSIRO

Long-term changes in Vibrio bacteria, Luigi Vezzulli, 2012-2013, Funding: CSIRO

Zooplankton Atlas of Australia, University of Tasmania, Kerrie Swadling, 2012-2012, Funding: University of Tasmania, Integrated Marine Observing System (IMOS), CSIRO

Phytoplankton Atlas of Australia, University of Tasmania, Gustaaf Hallegraeff, 2012-2015, Funding: University of Tasmania, Integrated Marine Observing System (IMOS), CSIRO

Assessing threats to marine biodiversity of the Ningaloo World Heritage Area, Mathew Vanderklift, Russ Babcock, 2012-2013, Funding: Caring For Our Country

Ocean-shelf exchange with an emphasis on the roles of waves, tides, eddies and cross-shelf flows on carbon exchange, University of Tasmania, University of Western Australia, James Cook University, Roger Proctor, Charitha Pattiaratchi, Peter Ridd, 2012-2014, Funding: ANNIMS

Coupled Physical and biogeochemical dynamics on the Australian North West Shelf, Gregory Ivey, Ryan Lowe, Peter Strutton, Nicole Jones, Miles Furnas, Gary Brinkman, 2012-2014, Funding: ARC Discovery Project

Net Conservation Benefit, Connectivity Modelling, Commonwealth Scientific Industrial Research Organisation, Ming Feng, 2012-2015, Partner Institution(s): UWA

Coastal carbon collaboration cluster, Commonwealth Scientific Industrial Research Organisation, Andy Steven, 2012-2015, Partner Institution(s): CSIRO, UTS, UWA, SCU, JCU, UNSW

The dynamics and variability of the Ningaloo Nino, Commonwealth Scientific Industrial Research Organisation, Ming Feng, 2013-2014, Partner Institution(s): BOM

Physical oceanographic dynamics in the Kimberley, University of Western Australia, Gregory Ivey, Richard Brinkman, Ryan Lowe, 2013-2015, Partner Institution(s): AIMS, Funding: Western Australian Marine Science Institution

Observations of remarkable eastward flows in the South Indian Ocean, University of Tasmania, Nathan Bindoff, Julian McCreary, Ryo Furue, Ming Feng, Jessica Benthuisen, Catia Domingues, 2013-2016, Partner Institution(s): CSIRO, University of Hawaii, Funding: ARC Discovery Project

Autonomous benthic observing system, University of Western Australia, University of Tasmania, Commonwealth Scientific Industrial Research Organisation, Australian Institute of Marine Science, Department of Primary Industries, NSW, Stefan Williams, Oscar Pizarro, Gary Kendrick, Neville Barrett, Russ Babcock, Andrew Heyward, Alan Jordan, Partner Institution(s): University of Sydney, Funding: ARC LIEF

A transportable containerised laboratory for rapid cell sorting and high-resolution bioimaging of living aquatic microbes in field locations, University of New South Wales, Macquarie University, University of Western Australia, University of Tasmania, M Doblin, Justin Seymour, Peter Ralph, Saravanamuthu Vigneswaran, Cynthia Whitchurch, Partner Institution(s): University of Technology, Sydney, Funding: ARC LIEF

Climate-scale forcing of phytoplankton community structure in the south Indian Ocean, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, Richard Matear, Anthony Richardson, Ming Feng, 2013-2016, Partner Institution(s): CSIRO, Funding: CSIRO OCE Postdoctoral Fellowship

WAMSI Kimberley climate change project, Commonwealth Scientific Industrial Research Organisation, Ming Feng, Partner Institution(s): <http://www.wamsi.org.au/content/partners>, Funding: Western Australian Marine Science Institution

Ocean circulation and mesoscale eddies in the southeast Indian Ocean, Commonwealth Scientific Industrial Research Organisation, Ming Feng, 2014-2016, Partner Institution(s): Chinese Academy of Sciences, Funding: CSIRO, Chinese Academy of Sciences

Operational and scientific monitoring program & applied research program, Australian Institute of Marine Science, D Souter, 2014-2015, Partner Institution(s): AIMS, Shell Development (Australia) Pty Ltd, Funding: INPEX, Shell Development (Australia) Pty Ltd

Alkalinity of Australian waters, Nick Hardman-Mountford, Jim Greenwood, 2014-2015, Funding: CSIRO

Phytoplankton variability in the Indian Ocean, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2014-2015, Funding: CSIRO

International phytoplankton functional type intercomparison working group, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2014-2015, Partner Institution(s): NASA, ESA, NOAA, EUMETSAT, JAXA, KIOST, AWI, CNRS/LOV, CSIR, PML, U. Maine, U. Hokkaido, U. Lisboa, U. Sao Paulo, IRD, U. Richmond, Pixalytics, Michigan Tech., WHOI, Funding: IOCCG

Biogeochemical processes supporting productivity of Kimberly coastal waters, WAMSI Project 2.2.2, Western Australian Marine Science Institution, Anya Waite, 2014-2015, Funding: Western Australian Marine Science Institution, University of Western Australia, CSIRO

NRS regional WQM fluorescence characterisation, Commonwealth Scientific Industrial Research Organisation, L Clementson, Tim Lynch, 2014-2016, Funding: CSIRO

Australian National Shelf Reanalysis, Emlyn Jones, Moninya Roughan, Tim Moltmann, Andreas Schiller, Peter May, 2014-2014, Funding: Integrated Marine Observing System (IMOS)

The role of internal wave-driven near-bed turbulent dynamics in coastal ocean sediment mobilisation, University of Western Australia, Gregory Ivey, Nicole Jones, Jonathan Nash, Samuel Kelly, 2014-2016, Funding: ARC Discovery Project

Application of NERP Biodiversity Hub survey methodology to Geographe Bay Commonwealth Marine Reserve, University of Tasmania, Emma Lawrence, Stefan Williams, Gary Kendrick, Euan Harvey, 2014-2015, Partner Institution(s): CSIRO, UTAS, UWA, USyd, Funding: National Environmental Research Program (NERP)

Carbonate system of Australian coastal waters from IMOS NRS and VOS measurements, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, Jim Greenwood, 2015-2016, Partner Institution(s): CSIRO, Funding: CSIRO

Fish chorusing and acoustics, Curtin University, Rob McCauley

Blue whale calling trends Australia wide, Curtin University, Rob McCauley, Alexander Gavrilov

Offshore Southern Right whale calling, Curtin University, Rob McCauley, Alexander Gavrilov

Feasibility of SeaSonde radar calibration via autonomous drones, University of Western Australia, Simone Cosoli, Jim Pettigrew

Linking phytoplankton to fisheries using zooplankton size spectra, University of New South Wales, Iain Suthers, Laura Richardson, Mark Baird, Sagulenko Evgeny, 2015-2018, Partner Institution(s): ARC Discovery Project, Funding: University of New South Wales, ARC Discovery Project

Australian marine microbial biodiversity initiative, Lev Bodrossy, M Brown, Tim Moltmann, 2015-2017, Funding: Integrated Marine Observing System (IMOS), Bioplatforms Australia (BPA)

Sediment re-suspension processes under internal waves in the north-west shelf of Australia, University of Western Australia, Charitha Pattiaratchi, Gustavo Lauton de Oliveira, 2015-2016, Funding: University of Western Australia

Predicting circulation patterns along the south-west Australian continental shelf, University of Western Australia, Ivica Janekovic, Charitha Pattiaratchi, Sarath Wijeratne, Yasha Hetzel, Simone Cosoli, 2015-2016, Partner Institution(s): IMOS, Funding: University of Western Australia

Remote sensing in support of environmental monitoring - Part 2, David Antoine, 2015-2017, Funding: Western Australian Marine Science Institution, CSIRO, CUT

Benthic habitat survey of outer Darwin Harbour and Bynoe Harbour, Australian Institute of Marine Science, David Williams, Partner Institution(s): AIMS, NT Government Department of Land Resource Management, Geoscience Australia, Funding: Australian Institute of Marine Science, NT Government Department of Land Resource Management and Geoscience Australia

Accuracy of wind data from WERA radars, University of Western Australia, Charitha Pattiaratchi, Simone Cosoli

Computer modelling tools for predicting acoustic detection performance of a sea glider, Curtin University, Alexander Gavrilov, 2016-2016, Funding: Defence Science and Technology Group

Eastern Indian Ocean Upwelling Research Initiative, Commonwealth Scientific Industrial Research Organisation, Yukio Masumoto, Weidong Yu, Raleigh Hood, Ming Feng, 2016-2020, Partner Institution(s): CSIRO, JAMSTEC, State oceanographic Administration of China, University of Maryland

Understanding the physical oceanographic drivers of a mass coral bleaching event AIMS research project, Australian Institute of Marine Science, Craig Steinberg, 2016-2017

Feasibility of extraction of meteotsunami signals from HF Radar, University of Western Australia, Simone Cosoli, Charitha Pattiaratchi

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## Postgraduate Research Projects

Doctor of Philosophy (PhD), The trophic ecology and habitat requirements of the manta ray (*Manta birostris*) in lagoonal systems of Ningaloo Reef, Western Australia, Murdoch University; Frazer McGregor, 2006-2010, Supervisor(s): Mike Van Keulen, Anya Waite, Mark Meekan; Funding: Murdoch University, Australian Institute of Marine Science

Honours degree, System reliability modelling for the ocean gliders, University of Western Australia; Belinda Chan, 2007-2007, Supervisor(s): Charitha Pattiaratchi

Masters degree, Movements and habitat use of freshwater sawfish (*Pristis microdon*) and northern river shark (*Glyptothorax garricki*) in Western Australia, Murdoch University; Jeff Whitty, 2007-2010, Supervisor(s): David Morgan

Doctor of Philosophy (PhD), Demography and migration patterns of manta rays (*Manta birostris*) at Ningaloo Reef, Charles Darwin University, Australian Institute of Marine Science; Florencia Cerutti-Pereyra, 2007-2011, Supervisor(s): Corey Bradshaw, Mark Meekan, Chris Austin; Partner Institution(s): AATAMS, University of Adelaide, AIMS, CSIRO, DEC, WA Fisheries, Eonfusion

Doctor of Philosophy (PhD), Oceanographic forcing of phytoplankton dynamics in the waters off North Western Australia, University of Western Australia; Cecile Rousseaux, 2007-2011, Supervisor(s): Anya Waite, Peter Thompson, Ryan Lowe

Doctor of Philosophy (PhD), Movement, feeding and behaviour of reef sharks at Ningaloo Reef, Western Australia, Charles Darwin University, Australian Institute of Marine Science; Conrad Speed, 2007-2011, Supervisor(s): Corey Bradshaw, Mark Meekan, Iain Field, Clive McMahon; Partner Institution(s): AATAMS, University of Adelaide, Macquarie University, AIMS, CSIRO, DEC, WA Fisheries, Eonfusion



Doctor of Philosophy (PhD), Physical processes along the Rottneest continental shelf, University of Western Australia; Thisara Welhena, 2009-2013, Supervisor(s): Charitha Pattiaratchi, Ming Feng; Partner Institution(s): CSIRO; Funding: Western Australian Marine Science Institution, University of Western Australia

Masters degree, Acoustic identification and tracking of marine megafauna, Curtin University, Chalmers University of Technology; Benjamin Trimoreau, 2010-2011, Supervisor(s): Rob McCauley, Alexander Gavrilov, Chandra Salgado Kent

Honours degree, Analysis of Seaglider data, University of Western Australia; Ping Jie Teo, 2010-2010, Supervisor(s): Charitha Pattiaratchi, Christine Hanson, Mun Woo

Doctor of Philosophy (PhD), The dynamics of the Ningaloo current system, University of Western Australia; Jiangtao Xu, 2010-2013, Supervisor(s): Gregory Ivey, Ryan Lowe, Charitha Pattiaratchi

Honours degree, Function and failure analysis (FMEA) of the critical subsystems and components for the UWA ocean gliders, University of Western Australia; Adrian Wan, 2011-2012, Supervisor(s): Charitha Pattiaratchi, Kecheng Shen

Doctor of Philosophy (PhD), Oceanographic factors influencing aggregations and movements of pygmy blue whales in Western Australia with a focus on the Perth Canyon, University of Western Australia; Olga Bondarenko, 2011-2014, Supervisor(s): Charitha Pattiaratchi, Alexander Gavrilov, Christine Hanson, Ming Feng; Partner Institution(s): CSIRO, Curtin University

Doctor of Philosophy (PhD), Modelling the tide and sediment dynamics in Darwin Harbour, Northern Territory, Australia, Australian Defence Force Academy; Li Li, 2011-2014, Supervisor(s): Xiao Hua Wang, David Williams; Partner Institution(s): ADFA, AIMS, ARC,; Funding: ADFA, ARC

Doctor of Philosophy (PhD), Nitrogen cycling in the Indian Ocean, University of Western Australia; Eric Raes, 2012-2015, Supervisor(s): Anya Waite, Pauline Grierson, Peter Thompson; Partner Institution(s): CSIRO, AWI; Funding: University of Western Australia , CSIRO

Doctor of Philosophy (PhD), Impact of shark overfishing on coral reefs, University of Western Australia; Shanta Barley, 2012-2015, Supervisor(s): Mark Meekan, Jessica Meeuwig, Michelle Thums

Honours degree, Ocean sediment dynamics off South Western Australia using ocean gliders, University of Western Australia; Jacob Sutton, 2012-2013, Supervisor(s): Charitha Pattiaratchi, Christine Hanson

Honours degree, Suspended sediment processes along the Kimberley shelf using Slocum ocean gliders, University of Western Australia; Rachel Huynh, 2012-2013, Supervisor(s): Charitha Pattiaratchi, Christine Hanson

Doctor of Philosophy (PhD), Zoogeography and ecology of Euphausiids (krill) in the Indian Ocean, Murdoch University; Alicia Sutton, 2012-2015, Supervisor(s): Lynnath Beckley; Partner Institution(s): Murdoch University; Funding: Australian Postgraduate Award

Honours degree, Multi-year impacts of ecotourism on whale shark (*Rhincodon typus*) visitation at Ningaloo Reef, Western Australia, University of Western Australia; Robert Sanzogni, 2012-2012, Supervisor(s): Mark Meekan, Jessica Meeuwig; Funding: Australian Institute of Marine Science, Apache Energy Ltd, Western Australia Department of Parks and Wildlife

Doctor of Philosophy (PhD), Acoustics: a tool to reveal the behaviour of the blue whale, University of New South Wales; Naysa Balcazar, 2012-2014, Supervisor(s): Tracey Rogers

Honours degree, Seasonal variability in phytoplankton biomass off the South-West of Western Australia: a phenology of the winter bloom, University of Western Australia; Antony Kuret, 2012-2012, Supervisor(s): Charitha Pattiaratchi, Christine Hanson, Martin Lourey

Doctor of Philosophy (PhD), Circulation of surface water on the Rottneest continental shelf in Western Australia using HF Radar, University of Western Australia; Jennifer Penton, 2012-2014, Supervisor(s): Charitha Pattiaratchi

Honours degree, Ocean circulation in the vicinity of the Perth Submarine Canyon viewed using Seagliders, University of Western Australia; Kah Kiat Hong, 2013-2013, Supervisor(s): Charitha Pattiaratchi, Christine Hanson

Honours degree, Sediment dynamics off the Pilbara Coast during a cyclone via Ocean Gliders, University of Western Australia; Yi Jie Wang, 2013-2013, Supervisor(s): Charitha Pattiaratchi, Christine Hanson, Florence Kaempf

Doctor of Philosophy (PhD), Characterising the ecological role of nursery areas for the protection of two coastal shark species at Ningaloo Reef, Western Australia, University of Western Australia; Beverly Oh, 2013-2015, Supervisor(s): Mark Meekan, Jessica Meeuwig, Michelle Thums

Doctor of Philosophy (PhD), Dense shelf water formation and gravitational motion, University of Western Australia; Tanziha Mahjabin, 2013-2017, Supervisor(s): Charitha Pattiaratchi, Yasha Hetzel

Honours degree, Surface current measurements using HF radar, University of Western Australia; Vincent Oliveri, 2013-2013, Supervisor(s): Charitha Pattiaratchi

Honours degree, Limited ecological connectivity of whale shark aggregations across the Indian Ocean, University of Western Australia; Samantha Andrzejczek, 2013-2013, Supervisor(s): Mark Meekan, Jessica Meeuwig; Funding: Australian Institute of Marine Science, Apache Energy Ltd, Western Australia Department of Parks and Wildlife

Honours degree, The diet of whale sharks (*Rhincodon typus*) at Ningaloo Reef: An analysis using stable isotopes, University of Western Australia; Samantha Twiname, 2013-2013, Supervisor(s): Mark Meekan, Anya Waite; Funding: Australian Institute of Marine Science, Apache Energy Ltd, Western Australia Department of Parks and Wildlife

Doctor of Philosophy (PhD), Shallow water soundscapes, Curtin University; Jamie McWilliam, 2013-2016, Supervisor(s): Rob McCauley, Christine Erbe, Euan Harvey, Miles Parsons; Funding: Curtin International Postgraduate Research Scholarship (CIPRS)

Doctor of Philosophy (PhD), The physical and biological variability along the Rottneest continental shelf, University of Western Australia; Miaoju Chen, 2013-2017, Supervisor(s): Charitha Pattiaratchi, Anas Ghadouani, Christine Hanson; Funding: IPRS Scholarship

Doctor of Philosophy (PhD), Surface gravity waves and circulation on the Rottneest continental shelf, Western Australia, University of Western Australia; Moritz Wandres, 2013-2017, Supervisor(s): Charitha Pattiaratchi, Sarath Wijeratne

Honours degree, Planning ocean glider tracks across the Indian Ocean, University of Western Australia; Clair Ashburn, 2013-2013, Supervisor(s): Charitha Pattiaratchi

Doctor of Philosophy (PhD), Working towards understanding the calling behaviour of the eastern Indian Ocean Pygmy Blue Whales, and how their calling can be used to census the population, Curtin University; Crystal Beckman, 2014-2020, Supervisor(s): Alexander Gavrilov, Rob McCauley

Doctor of Philosophy (PhD), The study of seasonal variability of currents (particularly Holloway current) along the North-West shelf of Australia, University of Western Australia; Mohammed Hadi Bahmanpour, 2014-2017, Supervisor(s): Charitha Pattiaratchi; Funding: SIRC Scholarship

Doctor of Philosophy (PhD), Deep learning for underwater scene classifications, University of Western Australia; Ammar Mahmood, 2015-2018, Supervisor(s): Mohammed Bennamoun, Senijan An, Ferdous Sohel

Masters degree, Intra-annual shelf current variability off Northwest WA, University Pierre and Marie Curie; Maxime Marin, 2016-2016, Supervisor(s): Ming Feng; Partner Institution(s): CSIRO; Funding: NCB

Masters degree, Interaction between currents and waves offshore Rottneest Island, University of Western Australia; Julian Rodino, 2016-2016, Supervisor(s): Simone Cosoli, Charitha Pattiaratchi, Andrew Middleditch

Doctor of Philosophy (PhD), Southern right whale vocalisations, distribution and movement patterns in Southern Australian waters, Curtin University; Rhianne Ward, 2016-2019, Supervisor(s): Rob McCauley, Iain Parnum, Alexander Gavrilov; Funding: Curtin University

Masters degree, Response of Rottneest Island kelp habitats to the marine heatwave of 2010/2011, University of Western Australia; Tim Ward, 2016-2017, Supervisor(s): Leanne Ward

Doctor of Philosophy (PhD), Use of distance sampling and sonobuoy data to estimate abundance of baleen whales, Curtin University; Tamara Al-Hashimi, 2016-2020, Supervisor(s): Rob McCauley, Curt Jenner, Chandra Salgado Kent; Funding: Curtin University

Doctor of Philosophy (PhD), Understanding the role of mid-shelf reefs in coastal ecology: can they act as refugia for shallow marine communities in an extreme climatic event?, University of Western Australia; Ana Ospina, 2016-2019, Supervisor(s): Gary Kendrick, Renae Hovey

Honours degree, Using acoustics (ADCP and passive acoustics) to investigate biological activity in the Perth Canyon, Curtin University; Lauren Hawkins, 2016-2016, Supervisor(s): Ben Saunders, Iain Parnum, Rob McCauley; Funding: Curtin University

Masters degree, 3D structure of the mesoscale eddies offshore Rottnest Island, University of Western Australia; Yijun Chen, 2016-2016, Supervisor(s): Charitha Pattiaratchi, Simone Cosoli

Doctor of Philosophy (PhD), Upper ocean heat and salinity balance in the South East Indian Ocean, Ocean University of China; Ningning Zhang, 2016-2019, Supervisor(s): Ming Feng; Partner Institution(s): CSIRO; Funding: Western Australian Marine Science Institution

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## Book

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## Book Chapters

Andutta, FP, Wang, XH, Li, L, Williams, DK 2013, Hydrodynamics and sediment transport in a macro-tidal estuary: Darwin Harbour, Australia, in E Wolanski (eds.), *Estuaries of Australia in 2050 and beyond*, Springer, pp.111-129

Wang, XH, Andutta, FP 2013, Sediment transport dynamics in ports, estuaries and other coastal environments, in AJ Manning (eds.), *Sediment Transport Processes and their Modelling Applications*, InTech, pp.3-36

Steven, A, Brando, V, Clementson, L, Dekker, AG, Hardman-Mountford, NJ, Hodge, J, Jones, EM, King, E, Schroeder, T 2014, Coastal ocean colour of Australian waters: progress and outlook, in S Djavidnia, V Cheung, M Ott, S Seeyave (eds.), *Oceans and Society: Blue Planet*, Cambridge Scholars Publishing, pp.122-129

Roughan, M, Schaeffer, A, Suthers, I 2015, Sustained ocean observing along the coast of southeastern Australia: NSW-IMOS 2007-2015, in Y Liu, H Kerkering, R Weisberg (eds.), *Coastal Ocean Observing Systems*, Elsevier, pp.76-98

**Book Chapters 4**

## Community White Papers / Technical Papers

Testor, P, Meyers, G, Pattiaratchi, C, Bachmayer, R, Hayes, D, Pouliquen, S, Petit de la Villeon, L, Carval, T, Ganachaud, AS, Gourdeau, L, Mortier, L, Claustre, H, Taillandier, V, Lherminier, P, Terre, T, Visbeck, M, Karstensen, J, Krahnman, G, Alvarez, A, Rixen, M, Poulain, P, Osterhus, S, Tintore, J, Ruiz, S, Garau, B, Smeed, D, Griffiths, G, Merckelbach, L, Sherwin, T, Schmid, C, Barth, J, Schofield, O, Glenn, S, Kohut, J, Perry, M, Eriksen, C, Send, U, Davis, R, Rudnick, D, Sherman, J, Jones, C, Webb, D, Lee, C, Owens, B; 2009, Gliders as a component of future observing systems, *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2)*, Venice, Italy, 21-25 September 2009, doi:10.5270/OceanObs09.cwp.89

Dushaw, BD, Whitlow, A, 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, T, 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, Wunsch, C; 2011, *Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society, A Global Acoustic Observing Network*, doi:10.5270/OceanObs09.cwp.25

**Community White Papers/Technical Papers 2**



## Conference Proceedings

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, Sustained oceanographic observations around Australia using autonomous ocean gliders, Proceedings of the IEEE Oceans 2010 Conference, Sydney, May 2010, Sydney, Presenter: Ben Hollings

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

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

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

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McGregor, F 2011, The trophic ecology and habitat requirements of the manta ray (*Manta birostris*) in lagoonal systems of Ningaloo Reef, Doctor of Philosophy (PhD), Murdoch University, Perth

Rousseaux, C 2011, Oceanographic forcing of phytoplankton dynamics in the waters off North Western Australia, Doctor of Philosophy (PhD), University of Western Australia, Perth

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Cerutti-Pereyra, F 2012, An integrated approach to the conservation and management of tropical Indo-Pacific batoids, with a focus on Australian species, Doctor of Philosophy (PhD), Charles Darwin University, Darwin

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## Data Product

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## Public Seminars

Pattiaratchi, C; WAIMOS; West Australian Marine Science Institution (WAMSI) Show and Tell Seminar, 29/03/2007 - 29/03/2007, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Upwelling along the west Australian coast; School of Environmental Systems Engineering Seminar, 01/05/2008 - 01/05/2008, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Oceanic oscillations and the climate of Western Australia; Water Corporation Seminar, 15/05/2008 - 15/05/2008, Perth, Presenter(s): Charitha Pattiaratchi

Meekan, MG; Tagging and tracking the world's largest fish; Siemens Science Seminars, Charles Darwin University, 06/06/2008 - 06/06/2008, Charles Darwin University, Darwin, Presenter(s): Mark Meekan

Pattiaratchi, C; Winthrop Professor of Coastal Oceanography School of Environmental Systems Engineering The University of Western Australia "Coastal Ocean Observations in Western Australia: From Peddies to Dense Shelf Water Cascades; 10th GHRSS Science Team Meeting, 01/06/2009 - 01/06/2009, Santa Rosa, Presenter(s): Charitha Pattiaratchi

Meekan, MG; Tracking whale sharks; University of Western Australia Extension Lecture Series, 25/06/2009 - 25/06/2009, University of Western Australia, Perth, Presenter(s): Mark Meekan

Pattiaratchi, C; Operational oceanography: some examples from Sri Lanka and South-Western Australia; School of Environmental Systems Engineering Seminar, 27/08/2009 - 27/08/2009, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Physical oceanography of Perth coastal waters; CSIRO Marine and Atmospheric Research Seminar, 19/11/2009 - 19/11/2009, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Coastal Physical Oceanography off South-West Australia; CSIRO Marine and Atmospheric Research Seminar, 03/12/2009 - 03/12/2009, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Integrated Marine Observing System (IMOS) in Western Australia; Oceans Institute/AIMS Seminar, 10/03/2010 - 10/03/2010, Perth, Presenter(s): Charitha Pattiaratchi

Speed, CW; Movement, feeding and behaviour of reef sharks at Ningaloo Reef; University of Western Australia Oceans Institute Postgraduate Student Showcase, 16/04/2010 - 16/04/2010, University of Western Australia, Perth, Presenter(s): Conrad Speed

Speed, CW; The trophic ecology of reef sharks using stable isotopes and telemetry; Independent talk for Ecology & Evolutionary Biology, University of Adelaide, 18/05/2010 - 18/05/2010, University of Adelaide, Adelaide, Presenter(s): Conrad Speed

Braccini, M; Shark research in Western Australia with an international perspective; Western Australian Land Information System (WALIS) Marine Group Forum - Turning Data Into Knowledge: Marine Data Management in Western Australia, 16/09/2010 - 16/09/2010, Perth, Presenter(s): J. Matias Braccini

Feng, M; Multi-decadal trends of ocean circulation in the southeast Indian Ocean; UNSW Seminar, 19/04/2011 - 19/04/2011, University of New South Wales, Sydney, Presenter(s): Ming Feng

Meekan, MG; Understanding whale sharks at Ningaloo Reef WA; Ningaloo Whale Shark Festival, 28/05/2011 - 28/05/2011, Exmouth, Presenter(s): Mark Meekan

Pattiaratchi, C; Ocean observations using gliders; COFS/Civil Engineering Seminar, 16/09/2011 - 16/09/2011, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Ocean glider deployments in Australia; Autonomous and Intelligent Underwater Technology (AiUT) Seminar, 03/11/2011 - 03/11/2011, Perth, Presenter(s): Charitha Pattiaratchi

Feng, M; Leeuwin Current variability and marine heat wave; CSIRO WfO Spotlight on Science, 06/03/2012 - 06/03/2012, Commonwealth Scientific Industrial Research Organisation, Perth, Presenter(s): Ming Feng

Pattiaratchi, C; Coastal ocean observations in Western Australia: from peddies to dense shelf water cascades; Rutgers University seminar, 12/04/2012 - 12/04/2012, New Jersey, Presenter(s): Charitha Pattiaratchi

Feng, M; Tracking passive particle (larvae) movement using a downscaled ocean model; Department of Fisheries Seminar, 20/04/2012 - 20/04/2012, Perth, Presenter(s): Ming Feng

Feng, M; The Leeuwin Current and its interannual and decadal variability; ANU Seminar, 27/04/2012 - 27/04/2012, Australian National University, Canberra, Presenter(s): Ming Feng

Pattiaratchi, C; Coastal ocean observations in Western Australia: from peddies to dense shelf water cascades; School of Environmental Systems Engineering and The UWA Oceans institute Seminar, 03/05/2012 - 03/05/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; From peddies to dense shelf water cascades; School of Environmental Systems Engineering and The UWA Oceans institute Seminar, 03/05/2012 - 03/05/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Watson, C; Geodesy at UTAS and the IMOS Satellite Altimetry Sub-Facility; Seminar of the 40th Anniversary of Spatial Science at UTAS, 04/05/2012 - 04/05/2012, University of Tasmania, Hobart, Presenter(s): Chris Watson

Feng, M; The Leeuwin Current, an anomalous eastern boundary current, and its interannual and decadal variability; Bangor University Seminar, 15/05/2012 - 15/05/2012, Bangor University, Bangor, Presenter(s): Ming Feng

Zhong, L, Feng, M; Leeuwin and Capes Current; CSIRO Science Presentation, 08/06/2012 - 08/06/2012, Commonwealth Scientific Industrial Research Organisation, Perth, Presenter(s): Ming Feng, Liejun Zhong

Proctor, R; Welcome to the Western Australian node of the Australian Ocean Data Network; WA Marine Management Event & Launch of WA Australian Ocean Data Network, 07/08/2012 - 07/08/2013, University of Western Australia, Perth, Presenter(s): Roger Proctor

Wyatt, LR; ACORN in Coorow; Coorow Shire Council Meeting, 03/09/2012 - 03/09/2012, Coorow, Presenter(s): Lucy Wyatt

Wyatt, LR; ACORN Present and future; UWA Seminar, 04/09/2012 - 04/09/2012, Perth, Presenter(s): Lucy Wyatt

Pattiaratchi, C; WAIMOS infrastructure in the Kimberley; WAMSI Kimberley Marine Science Seminar, 21/09/2012 - 21/09/2013, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Integration of physical, biological and chemical oceanography: a Leeuwin Current experience; Universiti Malaysia Terengganu Seminar, 09/12/2012 - 09/12/2012, Terengganu, Presenter(s): Charitha Pattiaratchi

Rossi, V, Schaeffer, A, Feng, M, Pattiaratchi, C, Galibert, G, Wood, JE, Sudre, J, Roughan, M, Waite, A; Sporadic physical processes driving temperature and nutrient variability in the Coastal ocean: a comparative study over the East and West Australian continental shelves; CCRC/UNSW Seminar, 12/12/2012 - 12/12/2012, University of New South Wales, Sydney, Presenter(s): Vincent Rossi

Pattiaratchi, C; OzROMS: a three-dimensional continental shelf and slope model for Australia; School of Environmental Systems Engineering Seminar, 11/04/2013 - 11/04/2013, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Coastal ocean observations in the Pilbara; Oceans Institute Seminar, 08/05/2013 - 08/05/2013, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Feng, M; Ningaloo Nino; Chinese Academy of Sciences, 10/05/2013 - 10/05/2013, Qingdao, Presenter(s): Ming Feng

Pattiaratchi, C; Coastal ocean observations in Western Australia; Institute of Oceanography and Fisheries Seminar, 03/10/2013 - 03/10/2013, Split, Presenter(s): Charitha Pattiaratchi

Jones, N; Towards a comprehensive understanding of the internal wave dynamics on the Australian North West Shelf; UWA Seminar, 11/10/2013 - 11/10/2013, Perth, Presenter(s): Nicole Jones

Pattiaratchi, C; Stirring on the inner shelf during tropical cyclone Rusty; Institute of Marine and Coastal Science Seminar, 19/11/2013 - 19/11/2013, Rutgers University, New Brunswick, Presenter(s): Charitha Pattiaratchi

Schiller, A, Oke, PR, Griffin, DA, Herzfeld, M, Cahill, M, Condie, SA; CSIRO tools and applications in support of environmental monitoring; WAIMOS Seminar, 15/04/2014 - 15/04/2014, Perth, Presenter(s): Andreas Schiller

Duncan, A, Gavrilov, AS, McCauley, R; Underwater sound and its application to the search for MH370; Rossmoyne Senior high School Public Seminar, 15/07/2014 - 15/07/2014, Perth, Presenter(s): Alec Duncan

Duncan, A, Gavrilov, AS, McCauley, R; Ocean acoustics and the search for missing Malaysian airlines flight MH370 using IMOS and CTBTO passive acoustic listening stations; IMOS Seminar Series, 29/07/2014 - 29/07/2014, Hobart, Presenter(s): Alec Duncan

Duncan, A; Sounds from the deep: search for MH370; Curtin University Seminar, 20/08/2014 - 20/08/2014, Curtin University, Perth, Presenter(s): Alec Duncan

Pattiaratchi, C; Seagliders in defence applications; Australian Society for Defence Engineering (ASDE) and Engineers Australia, 28/08/2014 - 28/08/2014, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Sub-mesoscale processes along the Rottneest shelf; School of Civil, Environmental and Mining Engineering/Centre for Offshore Foundation Systems seminar, 08/09/2014 - 08/09/2014, Perth, Presenter(s): Charitha Pattiaratchi

Duncan, A, Gavrilov, AS, McCauley, R; Ocean acoustics and the search for MH370; UWA Seminar, 10/09/2014 - 10/09/2014, University of Western Australia, Perth, Presenter(s): Alec Duncan

Duncan, A, Gavrilov, AS, McCauley, R; Ocean acoustics and the search for MH370; JIP seminar, 18/10/2014 - 18/10/2014, Peregian Beach, Presenter(s): Alexander Gavrilov

Pattiaratchi, C; Latest oceanographic understanding relevant to coastal impacts in the south-west; 'Coastal planning and oceanographic research', WAMSI seminar series no. 2, 13/11/2014 - 13/11/2014, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Recent developments in ocean observations and modelling; UWA Energy and Minerals Institute - lunch and learn, 14/11/2014 - 14/11/2014, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Peddies and critical latitude; Australian Coastal Ocean Radar Network launch, 21/11/2014 - 21/11/2014, Perth, Presenter(s): Charitha Pattiaratchi

Feng, M; Ocean circulation and the marine heatwaves in the south-east Indian Ocean; Chinese Academy of Science Seminar, 05/12/2014 - 05/12/2014, Qingdao, Presenter(s): Ming Feng

Feng, M; Integrated Marine Observing System in Western Australia; Xiamen University Seminar, 12/12/2014 - 12/12/2014, Xiamen, Presenter(s): Ming Feng

Watson, C, White, N, Church, JA, King, M, Burgette, R, Legresy, B; Refining satellite era estimates of global mean sea level rise; Research School of Earth Science (RSES) Seminar, 12/02/2015 - 12/02/2015, Canberra, Presenter(s): Chris Watson

Steinberg, C, Bainbridge, S, Heupel, M, Meekan, MG, Benthuisen, J, Williams, DK, Brinkman, R; Coastal and Ocean Observing at AIMS; AIMS Science Days, 11/03/2015 - 12/03/2015, Australian Institute of Marine Science, Townsville, Presenter(s): Craig Steinberg

Duncan, A, Gavrilov, AS, McCauley, R; Sounds from the Deep and the Search for MH370; University of the Third Age Seminar, 16/05/2015 - 16/05/2015, Perth, Presenter(s): Alec Duncan

Erbe, C; The Underwater Soundscape of the Perth Canyon; Curtin Science Week, 31/08/2015 - 04/09/2015, Perth, Presenter(s): Christine Erbe

Hardman-Mountford, NJ; What makes the Indian Ocean tick? Using robotic floats to understand ocean ecosystems; IMAREST, 03/09/2015 - 03/09/2015, Perth, Presenter(s): Nick Hardman-Mountford

McCauley, R; Perth Canyon fish choruses; CMST Curtin Seminar, 15/09/2015 - 15/09/2015, Curtin University, Perth, Presenter(s): Rob McCauley

Erbe, C, Verma, A, McCauley, R, Gavrilov, AS, Parnum, I; The Marine Soundscape of the Perth Canyon 2008-2014; Australian Acoustical Society, WA Division State Seminar, 15/10/2015 - 15/10/2015, Perth, Presenter(s): Christine Erbe

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## Conferences, Symposia or Workshops

### Conference Oral Presentation

Pattiaratchi, C; Interactions between currents and topography; Conference in Honour of Michael Collins, 13/07/2007 - 15/07/2007, Swansea, Presenter(s): Charitha Pattiaratchi

Allen, S, Pender, L, Steinberg, C, Middleton, J, Brando, V, Roughan, M; The Australian National Moorings Network. In situ observations for Australian Marine Research; Australian Meteorological and Oceanographic Society (AMOS) Conference, 29/01/2008 - 01/02/2008, Geelong

McGregor, F, Van Keulen, M, Meekan, MG, Waite, A; Foraging Ecology and Population Dynamics of the manta ray *Manta birostris* in lagoonal waters of Ningaloo Reef WA; Joint Meeting of Ichthyologists and Herpetologists, 23/07/2008 - 28/07/2008, Montreal, Presenter(s): Frazer McGregor

Woo, M, Pattiaratchi, C, Hollings, B; Ocean Observations using autonomous ocean gliders; Western Pacific Geophysics Meeting, 29/07/2008 - 01/08/2008, Cairns

Meekan, MG; Tracking the world's largest fish; Coast to Coast Conference, 18/08/2008 - 22/08/2008, Darwin, Presenter(s): Mark Meekan

Speed, CW, Meekan, MG, Field, IC, Huveneers, C, Stevens, JD, McGregor, F, Berger, Y, Bradshaw, CJA; Reef shark movement patterns at Ningaloo Reef, WA; Coast to Coast Conference, 18/08/2008 - 22/08/2008, Darwin, Presenter(s): Conrad Speed

White, W, McCauley, R, Chidlow, J, McGregor, F, Pillans, R, Bradshaw, CJA; Reef shark movement patterns at Ningaloo Reef, Western Australia; Oceania Chondrichthyan Society Conference, 22/09/2008 - 24/09/2008, Sydney

Pattiaratchi, C; Ocean Observations using Ocean Gliders ; 9th International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO), 09/02/2009 - 13/02/2009, Melbourne, Presenter(s): Charitha Pattiaratchi

Speed, CW, Meekan, MG, Field, IC, Bradshaw, CJA; Reef shark movement patterns at Ningaloo Reef, Western Australia; Greenhouse 2009: Climate Change and Resources, 23/03/2009 - 26/03/2009, Perth, Presenter(s): Conrad Speed

Meekan, MG; Patterns of habitat utilisation by reef sharks at offshore atolls; 8th Indo-Pacific Fish Conference, 31/05/2009 - 05/06/2009, Fremantle, Presenter(s): Mark Meekan

Speed, CW, Meekan, MG, Stevens, JD, Huveneers, C, Pillans, R, McCauley, R, McGregor, F, Bradshaw, CJA; Movement patterns of reef sharks at Ningaloo Reef; 8th Indo-Pacific Fish Conference, 31/05/2009 - 05/06/2009, Fremantle

Gavrilov, AS, McCauley, R, Thomas, F, Klaka, K, Salgado Kent, C, Perry, M, Duncan, A; Acoustic observations of the Australian Marine Observing System; Underwater Acoustic Measurements (UAM): Technologies and Results, 3rd International Conference, 21/06/2009 - 26/06/2009, Napfipilon



Coleman, M, Roughan, M, Connell, SD, Gillanders, B, Kelaher, BP, Steinberg, P; Contrasting Patterns of Connectivity among Populations of Kelp on Australia's Temperate Reefs; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide

Huveneers, C, Bruce, B, Hobday, A, Speed, CW, Meekan, MG, Harcourt, R; The Australian Acoustic Tagging and Monitoring System (AATAMS): applications for high trophic level predators; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide

McCauley, R, Cato, D, Salgado Kent, C, Duncan, A, Parsons, M, Gavrilov, AS; The strategic value of sea noise recordings; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide

Meekan, MG, Field, IC, Stevens, JD; Contrasting patterns in habitat use and migration of grey reef (*Carcharhinus amblyrhynchos*), hammerhead (*Sphyrna mokarran*) and tiger (*Galeocerdo cuvier*) sharks in Western Australia ; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide, Presenter(s): Mark Meekan

Pattiaratchi, C, Feng, M, McCauley, R, Waite, A, Symonds, G, Lynch, M, D'Adamo, N; Western Australian Integrated Ocean Observation System (WAIMOS); Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide, Presenter(s): Charitha Pattiaratchi

Lynch, T, Steinberg, C, Brando, V, Roughan, M, Middleton, J, Hughes, D, Feng, M, McCauley, R, Wiltshire, M, Hill, K, Proctor, R, Allen, S, Meyers, G, Moltmann, T; The Australian National Mooring Network; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice

Hanson, CE, Pattiaratchi, C, Woo, M, Hollings, B, Stanley, D; Sustained bio-optical measurements across the Leeuwin Current system via ocean gliders: spatio-temporal patterns and links to physical forcing; Ocean Sciences Meeting, 22/02/2010 - 26/02/2010, Portland, Presenter(s): Christine Hanson

Cerutti-Pereyra, F; Movements and site fidelity of rays at Ningaloo Reef, Western Australia; Sharks International, 06/06/2010 - 11/06/2010, Cairns, Presenter(s): Florencia Cerutti-Pereyra

Meekan, MG; Running on empty – how the world's largest fish sustains a planktivorous life style; Sharks International, 06/06/2010 - 11/06/2010, Cairns, Presenter(s): Mark Meekan

Meekan, MG; Whale sharks as animal-borne imaging platforms; Sharks International, 06/06/2010 - 11/06/2010, Cairns, Presenter(s): Mark Meekan

Speed, CW, Meekan, MG, Field, IC, McMahon, C, Stevens, JD, Huveneers, C, McGregor, F, Berger, Y, Bradshaw, CJA; Reef shark aggregation monitoring with acoustic telemetry at Ningaloo; Sharks International, 06/06/2010 - 11/06/2010, Cairns

Speed, CW; Reef shark aggregations at Ningaloo Reef; Sharks International, 06/06/2010 - 11/06/2010, Cairns, Presenter(s): Conrad Speed

Pattiaratchi, C, Hollings, B, Woo, M, Hanson, CE, Welhena, T; Dense shelf water cascade along west Australian continental shelves; 15th Biennial International Physics of Estuaries and Coastal Seas (PECS) Conference, 14/09/2010 - 17/09/2010, Colombo, Presenter(s): Charitha Pattiaratchi

Welhena, T, Pattiaratchi, C, Feng, M; Cross-shore processes on the Rottneest continental shelf in Western Australia; 15th Biennial International Physics of Estuaries and Coastal Seas (PECS) Conference, 14/09/2010 - 17/09/2010, Colombo, Presenter(s): Thisara Welhena

Woo, M, Pattiaratchi, C; How the Capes current ends: and investigation of a west Australian coastal current using an autonomous ocean glider; 15th Biennial International Physics of Estuaries and Coastal Seas (PECS) Conference, 14/09/2010 - 17/09/2010, Colombo, Presenter(s): Mun Woo

Babcock, R, Patterson, T, Bravington, M, Pillans, R; Including habitats in estimates of utilization distributions of reef fish; Biologging Science Symposium IV, 14/03/2011 - 18/03/2011, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Russ Babcock

Feng, M; Multi-decadal trends of the Leeuwin Current in the southeast Indian Ocean; International Union of Geophysics and Geology (IUGG) Earth on the Edge: Science for a Sustainable Planet, 28/06/2011 - 07/07/2011, Melbourne, Presenter(s): Ming Feng

Babcock, R, Patterson, T, Bravington, M, Pillans, R; Including habitats in estimates of utilization distributions for reef fish.; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

Cerutti-Pereyra, F, Meekan, MG, Austin, C, Stevens, JD, Bradshaw, CJA; Nurseries and movement patterns of juvenile stingrays at Ningaloo Reef WA; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Mark Meekan

Jones, N; Internal wave climatology at Ningaloo Reef; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Nicole Jones

Kuret, A, Pattiaratchi, C, Hanson, CE, Lourey, M; Seasonal variability in phytoplankton biomass off the south west of Western Australia: assessment by ocean gliders and in situ sampling; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

Lynch, T, Morello, E, Hughes, D, Steinberg, C, Feng, M, Richardson, A, Thompson, P, Bonham, P, Howell, B, Slawinski, D, James, C, Middleton, J, Davies, C, Rigby, P; Quality control and preliminary results from the IMOS Australian National Reference Stations; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

McCauley, R; Long term trends in pygmy blue whale use of the Perth Canyon via passive acoustics; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Rob McCauley

Pattiaratchi, C; Surface current measurements off Fremantle using HF Radar; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Charitha Pattiaratchi

Rossi, V, Roughan, M, Beckley, L, Waite, A; A bio-physical characterization of water masses off Ningaloo reef in May 2010; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Vincent Rossi

Speed, CW, Meekan, MG, Field, IC, McMahon, C, Abrantes, K, Bradshaw, CJA; The trophic ecology of four co-occurring species of reef sharks determines through stable isotope analysis and telemetry; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Conrad Speed

Speed, CW; The trophic ecology of reef sharks using stable isotopes and telemetry; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Conrad Speed

Steinberg, C, Rigby, P, McAllister, F, Spagnol, S, Brinkman, R, Jones, N; Current Observations from the Continental Shelves of the Arafura and Timor Seas; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Craig Steinberg

Xu, J, Ivey, GN, Lowe, R, Pattiaratchi, C, Brinkman, R; Double nested numerical modelling of summer upwelling dynamics at Ningaloo Reef, Perth; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Jiangtao Xu

Xu, J, Ivey, GN, Lowe, R, Pattiaratchi, C, Brinkman, R; Dynamics of the summer shelf circulation and transient upwelling off Ningaloo Reef, Perth; ANNIMS Conference, 29/11/2011 - 01/12/2011, University of Western Australia, Perth, Presenter(s): Jiangtao Xu

Mihanovic, H, Pattiaratchi, C; Interaction between the Leeuwin Current and continental shelf along the Rottnest Shelf and Perth Canyon; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Pearce, A, Feng, M; The 2011 marine heat wave off Western Australia; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Rossi, V, Galibert, G, Wood, JE, Schaeffer, A, Sudre, J, Roughan, M, Waite, A; Spatio-temporal variability of sporadic upwelling events over the East Australian continental margin for the last decade; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Babcock, R, Patterson, T, Pillans, R; Including habitats in estimates of utilization distributions for acoustically tagged reef fish; Ocean Sciences Meeting, 20/02/2012 - 24/02/2012, Salt Lake City

Rossi, V, Feng, M, Roughan, M, Waite, A; Upwelling over North-Western Australia: complex interactions between the surface and sub-surface circulation in the Leeuwin Current; Ocean Sciences Meeting, 20/02/2012 - 24/02/2012, Salt Lake City

Strzelecki, J, Feng, M, et, al.; Location and transport of early life stages of dhufish; 6th World Fisheries Congress, 07/05/2012 - 11/05/2012, Edinburgh International Conference Centre, Edinburgh

Caputi, N, Pearce, A, Feng, M; The extreme "marine heat wave" event of 2010/2011 and its effects on marine environment and Western Australian fisheries; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Nick Caputi

McCauley, R, Gavrilov, AS, Salgado Kent, C, Jenner, C, Jenner, M, Gedamke, J; Migratory habits of pygmy and Antarctic blue whales in Australian waters; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Rob McCauley

Strzelecki, J, Feng, M, Keesing, J, Berry, O, Zhong, L, Jackson, GD, Fairclough, D, Mortimer, N, Slawinski, D, Bearham, D, Thomson, D, McLaughlin, J; Tracking the early life stages of Western Australia Dhufish; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Ming Feng

Speed, CW; Marine parks for reef sharks: shark movements at ningaloo Reef; 12th International Coral Reef Symposium (ICRS), 09/07/2012 - 13/07/2012, Cairns, Presenter(s): Conrad Speed

Braccini, M, McCauley, R, Moran, M; On movement of Western Australian sharks; ASFB and OCS - Australian Society for Fish Biology and Oceania Chondrichthyan Society, 15/07/2012 - 18/07/2012, Adelaide, Presenter(s): J. Matias Braccini

Pattiaratchi, C; Ocean gliders; 2nd Australia-European Union Research Infrastructure Workshop, 26/07/2012 - 27/07/2012, Brussels, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Dense shelf water cascades: a mechanism for offshore dispersal of sediment; 34th International Geoscience Congress, 05/08/2012 - 10/08/2012, Brisbane, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Interactions between dense shelf water cascades and wind-driven upwelling in south-west Australia; The Physics of Estuaries and Coastal Seas (PECS) Symposium, 12/08/2012 - 16/08/2012, New York, Presenter(s): Charitha Pattiaratchi

Griffin, DA, Cahill, M; Leeuwin Current Eddies: altimetry. HF radar and SST imagery; 6th Coastal Altimetry workshop, 20/09/2012 - 21/09/2012, Riva del garda, Presenter(s): David Griffin

Feng, M; An unprecedented Leeuwin Current warming event in 2011; 9th Session of the CLIVAR/IOC-GOOS Indian Ocean Panel, 15/10/2012 - 17/10/2012, Cape Town, Presenter(s): Ming Feng

Feng, M; WA IMOS; 9th Session of the CLIVAR/IOC-GOOS Indian Ocean Panel, 15/10/2012 - 17/10/2012, Cape Town, Presenter(s): Ming Feng

McCauley, R; Migratory movements and relative abundance of blue whales in Australian waters; Centre for Marine Science and Technology Seminar, 23/10/2012 - 23/10/2012, Curtin University, Perth, Presenter(s): Rob McCauley

Pattiaratchi, C; Modern approaches to coastal observations: from waves to whales; 10th International Conference on Coasts, Ports and Marine Structures (ICOPMAS), 19/11/2012 - 21/11/2012, Tehran, Presenter(s): Charitha Pattiaratchi

Raes, E, McInnes, AS, Strutton, P, Phillips, H, Waite, A; Dinitrogen fixation in the Eastern Indian Ocean and the usage of IMOS data; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Eric Raes

Feng, M, McPhaden, M, Xie, S, Hafner, J; An Unprecedented Leeuwin Current warming event in 2011; American Geophysical Union (AGU) Fall Meeting, 03/12/2012 - 07/12/2012, San Fransisco, Presenter(s): Ming Feng

Penton, J; The effects of wind forcing on surface currents on the continental shelf surrounding Rottneest Island; Australian Meteorological and Oceanographic Society (AMOS) Conference, 11/02/2013 - 13/02/2013, Melbourne, Presenter(s): Jennifer Penton

Waite, A, Thompson, P, Tilbrook, B, Akl, J, Raes, E, Feng, M, Rossi, V, Roughan, M, Wyatt, LR; Formation of shallow high-nitrate low-oxygen layers in the Eastern Indian Ocean supported by surface nitrogen fixation; ASLO 2013 Aquatic Sciences Meeting, 17/02/2013 - 22/02/2013, New Orleans, Presenter(s): Anya Waite

Feng, M; 2011 Ningaloo Nino - an unprecedented warming event off the Western Australia coast; 17th Pacific Asian Marginal Seas (PAMS) Meeting , 23/04/2013 - 25/04/2013, Hangzhou, Presenter(s): Ming Feng

Strzelecki, J, Feng, M, Berry, O, Keesing, J, Pearce, A, Fairclough, D, Mortimer, N, Slawinski, D, Jackson, GD; Location and transport of eggs and larvae of Western Australian dhufish, *Glaucosoma hebraicum* (Richardson, 1845); 9th Indo-Pacific Fish Conference, 24/06/2013 - 28/06/2013, Okinawa, Presenter(s): Joanna Strzelecki

Feng, M; Ningaloo Nino dynamics; CSIRO Wealth from Oceans Flagship science meeting, 03/07/2013 - 03/07/2013, Perth, Presenter(s): Ming Feng

Slawinski, D, Colberg, F, Feng, M; A shelf scale hydrodynamic model for the Pilbara, Western Australia; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Dirk Slawinski

Balcazar, N, Tripovich, J, Dziak, R, Mellinger, D, Nieu Kirk, S, Klinck, H, Rogers, T; Calls reveal population structure of two pygmy blue whales in the Indo-Pacific; Australian Mammal Society 59th Scientific meeting , 08/07/2013 - 10/07/2013, University of New South Wales, Sydney, Presenter(s): Naysa Balcazar

Feng, M; Ningaloo Nino - an unprecedented warming event off the Western Australia coast; WCRP/CLIVAR Second International Symposium on Boundary Current Dynamics, 08/07/2013 - 09/07/2013, Li Jang, Presenter(s): Ming Feng

Feng, M; WA IMOS; WCRP/CLIVAR Second International Symposium on Boundary Current Dynamics, 08/07/2013 - 09/07/2013, Li Jang, Presenter(s): Ming Feng

Rogers, T, Balcazar, N, Klinck, H, Nieu Kirk, S, Sirovic, S, Mellinger, D, Tripovich, J; Should I stay or should I go: Antartic blue whales use alternate partial migratory strategies; Australian Mammal Society 59th Scientific meeting , 08/07/2013 - 10/07/2013, University of New South Wales, Sydney, Presenter(s): Tracey Rogers

Tripovich, J, Klinck, H, Nieu Kirk, S, Adams, T, Mellinger, D, Rogers, T; Acoustic partitioning of two sympatric blue whale subspecies: Antarctic (Baleanoptera musculus intermedia) and Pygmy Blue Whales (B. m. brevicauda); Australian Mammal Society 59th Scientific meeting , 08/07/2013 - 10/07/2013, University of New South Wales, Sydney, Presenter(s): Joy Tripovich

Feng, M, McPhaden, M, Xie, S, Hafner, J, Zhong, L; Ningaloo Nino - an unprecedented warming of the Leeuwin Current in 2011; Joint Assembly IAHA-IAPSO-IASPEI, 22/07/2013 - 26/07/2013, Gothenburg, Presenter(s): Ming Feng

Pattiaratchi, C; Sub-mesoscale eddies ('peddies') on the South-West Australian continental shelf; IAHS/IAPSO/IASPEI 'Knowledge for the Future' Assembly, 22/07/2013 - 26/07/2013, Gothenburg, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; The Leeuwin Current system: a boundary current system along Western Australia; IAHS/IAPSO/IASPEI 'Knowledge for the Future' Assembly, 22/07/2013 - 26/07/2013, Gothenburg, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Peddies (petite eddies): sub-mesoscale eddies along the continental shelf off South-West Australia; 6th Warnemunde Turbulence Days Conference, 11/08/2013 - 15/08/2013, Vilm, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Tropical cyclone stirring on the inner continental shelf off North-West Australia observed through ocean gliders; 22nd Biennial Coastal and Estuarine Research Federation (CERF) Conference, 03/11/2013 - 07/11/2013, San Diego, Presenter(s): Charitha Pattiaratchi

McCauley, R, Jenner, C, Gedamke, J, Gavrilov, AS, Salgado Kent, C; The blue whale species complex in Australian waters based on passive acoustics; Marine Mammal Society Conference, 09/12/2013 - 13/12/2013, Otago University, Dunedin, Presenter(s): Rob McCauley

Feng, M; Shelf temperature observations off Rottneest, Western Australia since 1950; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Ming Feng

Jones, K, Strutton, P, Furnas, M; Enhanced biological production from ephemeral events in an oligotrophic coastal system ; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Katherine Jones

Marshall, AD; West Australian marine heat waves: variability and dynamics of the Ningaloo Nino; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): A Marshall

Crossing, R, Kondylas, S; Fundamentals of mooring data collection; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): R Crossing

Xu, J, Ivey, GN, Lowe, R, Jones, N, Brinkman, GW, Zhang, Z; Ocean circulation and connectivity along the Ningaloo Shelf, Western Australia; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Jiangtao Xu

Hovey, RK, Pember, MB, Bellchambers, LM, Williams, S, Kendrick, G; Investigating lobsters and their habitats through the eyes of robots; 10th International Conference and Workshop on Lobster Biology and Management, 18/05/2014 - 23/05/2014, Cancun, Presenter(s): Renae Hovey

Meekan, MG, Fuiman, L, Davis, R, Berger, Y, Thums, M; Why do whale sharks get so big? Ecological drivers of the evolution of body size in the world's largest fish.; Sharks international, 02/06/2014 - 06/06/2014, Durban, Presenter(s): Mark Meekan

Oh, B, Meeuwig, J, Thums, M, Meekan, MG; Quantifying the distribution of elasmobranchs across tropical Australian waters; Sharks international, 02/06/2014 - 06/06/2014, Durban, Presenter(s): Beverly Oh

Balcazar, N, Nieuwkerk, S, Klinck, H, Mellinger, D, Tripovich, J, Dziak, R, Rogers, T; Calls reveal population structure of the elusive blue whale; Eco-acoustics Science Conference; Ecology and acoustics: emergent properties from community to landscape, 16/06/2014 - 18/06/2014, Paris, Presenter(s): Naysa Balcazar

Messer, L, Jeffries, TC, Mahaffey, C, Doubell, M, Doblin, MA, Brown, MV, Seymour, JR; Diazotroph dynamics across Australia's oligotrophic oceans; Australian Society for Microbiology Conference, 06/07/2014 - 09/07/2014, Melbourne, Presenter(s): Lauren Messer

Balcazar, N, Tripovich, J, Nieuwkerk, S, Klinck, H, Mellinger, D, Dziak, R, Rogers, T; Call reveal population structure and behaviour of the elusive blue whale; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Naysa Balcazar

Feng, M; Future project: the east Indian Ocean upwelling research initiative, a joint collaboration between China, Japan, the US and Australia, 2015-2020; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Ming Feng

Meekan, MG; Why do whale sharks get so big? Ecological drivers of the evolution of body size in the world's largest fish.; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Mark Meekan

Slawinski, D, Feng, M, Darby, I; West Australian IMOS moorings - a near continuous latitudinal coastal observation network for the South-East Indian Ocean; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Dirk Slawinski

Williams, DK, Patterson, R; Cumulative impacts of industrial development on sediment transport in Darwin Harbour's east arm wharf; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): David Williams

Messer, L, Jeffries, TC, Mahaffey, C, Doubell, M, Doblin, MA, Brown, MV, Seymour, JR; Diazotroph dynamics across Australia's oligotrophic oceans; 15th International Symposium on Microbial Ecology, 24/08/2014 - 29/08/2014, Seoul, Presenter(s): Lauren Messer

Greenwood, J, Craig, P; Modelling the vertical distribution of phytoplankton on the continental shelf; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Jim Greenwood

Strutton, P, Jones, K, Jones, N, Bluteau, C, Pequignet, C, Lowe, R, Ivey, GN, MacDonald, HS; Coupling between ocean physics and biogeochemistry; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Helen MacDonald

Wang, XH, Roughan, M; Estuarine and sediment transport modelling for the World Harbour Project A; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Xiao Hua Wang

Williams, DK, Steinberg, C, Rigby, P, Brinkman, R, Spagnol, S, Patterson, R; Observations and modelling in support of port activities for Darwin Harbour, Northern Territory, Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): David Williams

Clementson, L, King, E, Hardman-Mountford, NJ, et, al.; Distribution of Phytoplankton Functional Types (PFTs) in the low productivity water off Western Australia - a comparison of satellite and in situ methods; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): L Clementson

Watson, C, White, N, Church, JA, Beardsley, J, Legresy, B, King, M; Update results from the Australian in-situ calibration sites: Bass Strait and Storm Bay; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Pattiaratchi, C; Coastal ocean observations in Western Australia: from waves to whales; Seventh world congress of scientific youth, Federation Internationale des Societes scientifiques, 06/11/2014 - 06/11/2014, Mendoza, Presenter(s): Charitha Pattiaratchi



Watson, C, White, N, Church, JA, King, M, Burgette, R; Refining satellite era estimates of global mean sea level rise; Geography and Spatial Sciences Conference, 25/11/2014 - 26/11/2014, Hobart, Presenter(s): Chris Watson

Book, JW, Pequignet, C, MacDonald, HS, Jones, N, Lowe, R, Ivey, GN, Rice, AE, Rowley, C, Brinkman, R, Steinberg, C, Strutton, P, Smith, S; Observations and modeling of the North West shelf of Australia during Austral Summer 2011/2012; European Geosciences Union (EGU) General Assembly, 12/04/2015 - 17/04/2015, Vienna, Presenter(s): Jeff Book

Pattiaratchi, C; Sustained ocean observations around Australia using ocean gliders; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Dense shelf water cascades around Australia: dynamics and water column processes; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Charitha Pattiaratchi

Wijeratne, S, Pattiaratchi, C, Proctor, R; Simulation of boundary currents around Australia; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Charitha Pattiaratchi

Butler, E, Williams, DK, Patterson, R; Fluxes of nutrients and suspended solids at the marine boundary of a tropical macrotidal estuary, Darwin Harbour - observations and modelling; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): E Butler

Eriksen, R, Bonham, P, Coman, F, et, al.; Using plankton data from National Reference Stations in the Australian Integrated Marine Observing System; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ruth Eriksen

Feng, M, Benthuisen, J, Slawinski, D; Freshening of the Indonesian throughflow and the Leeuwin Current during the 2010-11 La Nina/Ningaloo Nino; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ming Feng

Feng, M, Colberg, F, Slawinski, D, Berry, O, Babcock, R; Ocean circulation, larval retention, and connectivity among coral populations on the Northwest Shelf of Australia; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ming Feng

Jennings, S, Beckley, L; Oceanographic synopsis of the Southern Bluefin Tuna spawning ground in the Eastern Indian Ocean; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Shona Jennings

Jones, K, Strutton, P, Jones, N, Pequignet, C, Lowe, R, Book, JW, MacDonald, HS, Furnas, M; Ephemeral biological production in the oligotrophic North West Shelf, Western Australia; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Katherine Jones

Richardson, A, Rochester, W, Eriksen, R; Plankton 2015: as assessment of Australia's oceans using plankton as ecosystem indicators; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Anthony Richardson

Thomson, P, Mantovanelli, A, Wright, SW, Pattiaratchi, C; In situ comparisons of glider bio-optical measurements to CTD water properties; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Paul Thomson

Wellington, M, Beckley, L, Olivar, P; Macro-zooplankton availability for foraging seabirds and the influence of meso-scale oceanographic features; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Max Wellington

Bluteau, C, Jones, N, Ivey, GN; The Role of Internal Wave-driven Near-bed Turbulent Dynamics on Mixing and Sediment Mobilisation in the Coastal Ocean; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Cynthia Bluteau

Church, JA; Sea-level change: a scientific and social challenge for the 21st century; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): John Church

Feng, M; Decadal increases of the Ningaloo Nino since mid-1990s; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Ming Feng

Jones, N, Strutton, P, Lowe, R, Falter, J, Jones, K; Closing the Nutrient Budget on the Australian Northwest Shelf; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Nicole Jones

Pattiaratchi, C; Coastal upwelling along south-west Australia; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Charitha Pattiaratchi

Pequignet, C, Jones, N, Lowe, R, Ivey, GN, Book, JW, Brinkman, R, Steinberg, C, MacDonald, HS; Subtidal circulation on the Australian North West Shelf: Local versus remote forcing; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Christine Pequignet

Steinberg, C, Williams, DK, McAllister, F, Rigby, P, Spagnol, S, Brinkman, R, Benthuysen, J, Pattiaratchi, C, Wijffels, S, Sloyan, B, Feng, M, Book, JW; Toward Sustained Ocean Observing across Tropical Northern Australian Shelf Seas; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Craig Steinberg

Roughan, M, Jones, EM, Oke, PR, Moltmann, T, May, P, Schiller, A; A National Shelf Re-analysis (ANSR) project for Australia; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Moninya Roughan

Cosoli, S; HF radar observations of ocean currents, waves and winds Australia; 4th Meeting of the Global High Frequency Radar Network, 22/09/2015 - 23/09/2015, Crete, Presenter(s): Simone Cosoli

McCauley, R; Definition of the blue whale species complex and their movements in Australian and Southern Ocean waters; 12th International Congress on Theoretical and Computational Acoustics, 11/10/2015 - 16/10/2015, Hangzhou, Presenter(s): Rob McCauley

Steckenreuter, A, Peddemors, V, Simpfendorfer, C, Hoenner, X, Tattersall, K, Babcock, R, Huveneers, C, Heupel, M, Meekan, MG, Harcourt, R; Optimising the integrity of a national network of acoustic telemetry research infrastructure in Australia ; Australian Society for Fish Biology Conference, 11/10/2015 - 14/10/2015, Sydney, Presenter(s): Andre Steckenreuter

Moltmann, T; Australia's Integrated Marine Observing System (IMOS) - a decade of Indian Ocean observing; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Tim Moltmann

Erbe, C; Listening to the Ocean; Science Teachers' Association of Western Australia "Future Science Conference 2015", 04/12/2015 - 04/12/2015, Perth, Presenter(s): Christine Erbe

Mahjabin, T, Pattiaratchi, C, Hetzel, Y; Factors influencing the occurrence of Dense Water Cascades in Australia; International Coastal Symposium, 06/03/2016 - 11/03/2016, Sydney, Presenter(s): Tazhiha Mahjabin

Crossing, R; WAIMOS Coastal Moorings Dynamics of Ocean Sensors; QC Summit, 07/03/2016 - 11/06/2016, Hobart, Presenter(s): R Crossing

Williams, S; High-resolution marine survey: applications in engineering science, ecology, archaeology and geology; IEEE International Conference on Robotics and Automation , 16/05/2016 - 21/05/2016, Stockholm, Presenter(s): Stefan Williams

Williams, S, Pizarro, O, Bryson, M; Multi-year surveying of coral reefs using Autonomous Underwater Vehicles; 13th International Coral Reef Symposium (ICRS), 19/06/2016 - 24/06/2016, Hawaii, Presenter(s): Stefan Williams

Pattiaratchi, C; Coastal ocean observations for fisheries; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Charitha Pattiaratchi

Chen, M; The variability of summer upwelling and its influence on chlorophyll a distribution along the Rottneest continental shelf; 18th Biennial International Physics of Estuaries and Coastal Seas (PECS) Conference, 09/10/2016 - 14/10/2016, Scheveningen, Presenter(s): Miaoju Chen

Mahjabin, T; Australian continental shelves as an inverse estuary; 18th Biennial International Physics of Estuaries and Coastal Seas (PECS) Conference, 09/10/2016 - 14/10/2016, Scheveningen, Presenter(s): Tazhiha Mahjabin

Makarynsky, O, Williams, DK; Assessing fluxes through oceanic boundary of Darwin Harbour; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Oleg Makarynsky

Williams, DK, Smit, N, Siwabessy, PJW; Coastal observing systems in support of harbour operations and water quality management and habitat modelling, Northern Territory, Australia; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): David Williams

Hawkins, L, Parnum, I, McCauley, R, Saunders, B; Using acoustics to study biological activity in the Perth Canyon, Western Australia; Second Australasian Acoustical Societies Conference, 09/11/2016 - 11/11/2016, Brisbane, Presenter(s): Lauren Hawkins

McPherson, C, et, al.; Examining the value of the acoustic variability index in the characterisation of Australian marine soundscapes; Second Australasian Acoustical Societies Conference, 09/11/2016 - 11/11/2016, Brisbane

Book, JW, Jones, N, Lowe, R, Ivey, GN, et, al.; Propagation of internal tides on the Northwest Australian Shelf studied with time-augmented empirical orthogonal functions; 20th Australasian Fluid Mechanics Conference (AFMC), 05/12/2016 - 08/12/2016, University of Western Australia, Perth, Presenter(s): Jeff Book

### Conference Poster

Seuront, L, Leterme, S, Middleton, J, Ridgway, K, Doherty, P, Bainbridge, S, Steinberg, C, Suthers, I, Roughan, M, Pattiaratchi, C, Thresher, A, Trull, T, Schulz, E, Wijffels, S, Williams, S, Allen, S, Heron, M, Harcourt, R, Proctor, R, Turner, P, Critchley, G, Richardson, A, Coman, F, Bonham, P, Terhell, D, Thompson, P, Tilbrook, B, Berry, K, Clementson, L, Robert, S, Lynch, T, Furnas, M, Roberts, K, Magierowski, R, Meyers, G; IMOS, an Integrated Marine Observing System for Australia; European Geosciences Union (EGU) General Assembly, 19/04/2009 - 24/04/2009, Vienna

Lynch, T, Steinberg, C, Brando, V, Roughan, M, Middleton, J, Hughes, D, Feng, M, McCauley, R, Wiltshire, M, Hill, K, Proctor, R, Allen, S, Meyers, G, Moltmann, T; The Australian National Mooring Network; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice

Pattiaratchi, C, Feng, M, McCauley, R, Lynch, M, D'Adamo, N; The West Australian Integrated Marine Observation System (WAIMOS): Interactions between the Leeuwin Current and the continental shelf; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice

Pattiaratchi, C, Hollings, B, Woo, M; Oceanographic Observations of the Australian Continental Shelf and Slope Waters Using Autonomous Ocean Gliders; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice

Kelly, SM, Jones, N, Ivey, GN, Brinkman, R, Lowe, R; Internal tides in the Timor Sea and on the Australian North West Shelf ; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Samuel Kelly

McCauley, R, Gavrilov, AS, Salgado Kent, C, Jenner, C, Jenner, M, Gedamke, J; Migratory habits of pygmy and Antarctic blue whales in Australian waters; Living Whales in the Southern Ocean: Advances in Methods for Non-lethal Cetacean Research, 27/03/2012 - 29/03/2012, Puerto Varas, Presenter(s): Rob McCauley

Zhong, L, Feng, M; Upper Ocean Heat Balance off the West Coast of Australia; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Liejun Zhong

Verspecht, F, Pattiaratchi, C, Mihanovic, H, Simpson, J; Sea breezes force near-inertial waves close to the critical latitude for resonance; The Physics of Estuaries and Coastal Seas (PECS) Symposium, 12/08/2012 - 16/08/2012, New York, Presenter(s): Florence Verspecht

Book, JW, Burrage, DM, Chu, P, Rice, AE, Richman, J, Rowley, C, Brinkman, R, Luetchford, J, Steinberg, C, Ivey, GN, Jones, N, Kelly, SM, Lowe, R, Pattiaratchi, C, Rayson, MD, Ayers, J, Strutton, P; Observations and modelling of the North West Shelf of Australia during Austral summer ; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Jeff Book

Mihanovic, H, Pattiaratchi, C; Interaction between the Leeuwin Current and continental shelf along the Rottneest shelf and Perth Canyon; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Hrvoje Mihanovic

Welhena, T, Pattiaratchi, C, Feng, M; Dense shelf water cascade (DSWC) on the Rottneest continental shelf in South-western Australia; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Thisara Welhena

Wijeratne, S, Pattiaratchi, C, Proctor, R; Modelling meso-scale dynamics along western and southern Australian shelf and slopes: A ROMS modelling approach; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Sarath Wijeratne

Feng, M, Lumley, M; Shelf temperature observations off Rottneest, Western Australia since 1950; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Ming Feng

Jones, K, Strutton, P, Furnas, M; Enhanced biological production from tropical cyclones and ephemeral weather events in an oligotrophic coastal system; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Peter Strutton

Pequignet, C, MacDonald, HS, Book, JW, Jones, N, Ryan, RJ; Spatial and temporal variability of the regional-scale circulation on the Australian North West Shelf; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Christine Pequignet

Braccini, M, McCauley, R; Going spatial: movement information and population dynamics of commercially-fished Western Australian sharks; Sharks international, 02/06/2014 - 06/06/2014, Durban, Presenter(s): J. Matias Braccini

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Using biogeochemical models to optimise sampling design for biogeochemical profiling float arrays; Advances in Marine Ecosystem Modelling Research, 30/06/2014 - 03/07/2014, Plymouth, Presenter(s): Nick Hardman-Mountford

Benthuisen, J, Feng, M, Zhong, L; Spatial patterns of warming off Western Australia during the 2011 Ningaloo Nino: quantifying impacts of remote and local forcing; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Chen, M, Pattiaratchi, C, Ghadouani, A; The seasonal cycle of Chlorophyll along the Two Rocks Transect; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Colberg, F, Slawinski, D, Feng, M; A higher resolution model of shelf circulation and marine connectivity of the north-west shelf; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Feng, M, Benthuisen, J, Slawinski, D; La Nina causes extreme freshening of the Leeuwin Current; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Gedeon, A, Wijeratne, S, Pattiaratchi, C, Proctor, R; Current predictions for the Rottneest channel swim; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Agi Gedeon

Pattiaratchi, C, Hadi Bahmanpour, M, Wijeratne, S, Steinberg, C, D'Adamo, N; The Holloway Current along North-West Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Pattiaratchi, C, Mihanovic, H; Peddies: what, where, why?; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Penton, J, Pattiaratchi, C, Mihanovic, H; Surface currents on the Rottneest continental shelf, Western Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Verspecht, F, Mihanovic, H, Pattiaratchi, C; Sea breeze force near-inertial waves on Rottneest Shelf, Western Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Wijeratne, S, Pattiaratchi, C, Proctor, R; Estimates of alongshore and cross-shelf transports around Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Sarath Wijeratne

Wyatt, LR; Wave measurements from the Australian Coastal Ocean Radar Network; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Ravichandran, M; Bio-optical characterisation of biogeochemical hotspots in the Indian Ocean using profiling floats; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Ravichandran, M; Bio-optical observing of the interior Indian Ocean: developing a bio-Argo network; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Nick Hardman-Mountford

Mahjabin, T, Pattiaratchi, C, Hetzel, Y; Occurrence of dense shelf water cascades around Australia using ocean gliders; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Tanziha Mahjabin

Pattiaratchi, C, Steinberg, C, Wijeratne, S, Bahmanpour, MH, D'Adamo, N; The Holloway Current along North-West Australia; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Mohammad Bahmanpour

Steinberg, C, Williams, DK, McAllister, F, Rigby, P, Spagnol, S, Brinkman, R, Benthuisen, J, Pattiaratchi, C, Wijffels, S, Sloyan, B, Feng, M; Toward sustained ocean observing across tropical northern Australian shelf seas; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Craig Steinberg

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Integration of bio-optical profiling floats within an Indian Ocean biogeochemical observing system; International Ocean Colour Science Meeting, 15/06/2015 - 18/06/2015, San Fransisco, Presenter(s): Nick Hardman-Mountford

Rigby, P, Steinberg, C, Williams, DK, Brinkman, GW, Brinkman, R, Tonin, H, Hughes, D; Real-time Marine Observing Systems in Australian Tropical Seas; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Paul Rigby

Zhang, H, Beggs, H, Majewski, L, Huang, X, Kiss, A; Investigating sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R data; 16th GHRST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Steinberg, C, Williams, DK, McAllister, F, Rigby, P, Spagnol, S, Brinkman, R, Benthuysen, J, Pattiaratchi, C, Wijffels, S, Sloyan, B, Feng, M, Book, JW; Toward sustained ocean observing across tropical northern Australian shelf seas; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Craig Steinberg

Balcazar, N, Klinck, H, Nieukirk, S, Mellinger, D, Tripovich, J, Dziak, R; Acoustics reveals the population structure of the elusive blue whale; 2015 Ecological Society of America (ESA) Annual Meeting, 09/08/2015 - 14/08/2015, Baltimore, Presenter(s): Naysa Balcazar

Bahmanpour, MH, Pattiaratchi, C, Wijeratne, S, Steinberg, C, D'Adamo, N; Circulation along the north west shelf of Australia; International Coastal Symposium, 06/03/2016 - 11/03/2016, Sydney, Presenter(s): Mohammad Bahmanpour

Bahmanpour, MH, Pattiaratchi, C, Wijeratne, S, Steinberg, C, D'Adamo, N; Multi-year observation of a boundary current along the shelf edge of North Western Australia; 14th International Coastal Symposium, 06/03/2016 - 11/03/2016, Sydney, Presenter(s): Mohammad Bahmanpour

Everett, JD, Richardson, A, Baird, ME, et, al.; Bridging the zooplankton gap between models and observations: the IMOS Zooplankton Ocean Observations and Modelling Task Team (ZOOM); Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Wijeratne, S, Pattiaratchi, C, Proctor, R; ozROMS - a high resolution 16 year re-analysis product for Australian and Indonesian Seas; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Yeung, V, Everett, JD, Richardson, A, Suthers, I; Quantifying the oceanographic and seasonal patterns of zooplankton size-structure at the IMOS National Reference Stations; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

### **Course Presentation**

Williams, S; Robotic vision for marine survey: applications in engineering science, ecology, archaeology and geology; Robot Vision Summer School (RVSS), 18/04/2016 - 22/04/2016, Kioloa, Presenter(s): Stefan Williams

### **Key Note Speaker**

Pattiaratchi, C; Climate change effects on coastal processes; 9th International Conference on Coasts, Ports and Marine Structures (ICOPMAS), 29/11/2010 - 01/12/2010, Tehran, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Temporal and spatial scales in coastal processes; 10th International Conference on Coasts, Ports and Marine Structures (ICOPMAS), 19/11/2012 - 21/11/2012, Tehran, Presenter(s): Charitha Pattiaratchi

### **Meeting Presentation**

Pattiaratchi, C; Physical oceanography in South-Western Australia; Australasian Abalone Association Meeting, 10/05/2007 - 10/05/2007, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Integrated Marine Observing System and climate change; Shark Bay World Heritage Meeting, 18/08/2009 - 18/08/2009, Shark Bay, Presenter(s): Charitha Pattiaratchi

Hollings, B; Australian National Facility for Ocean Gliders (ANFOG) – The First 12 Months ; European Glider Observatories Congress, 16/11/2009 - 19/11/2009, Larnaca, Presenter(s): Ben Hollings



Pattiaratchi, C; The West Australian node of IMOS; Sustained Indian Ocean Biogeochemical and Ecosystem Research (SIBER) Scientific Steering Committee Meeting, 12/07/2010 - 15/07/2010, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; The UWA Oceans Institute and IMOS (Integrated Marine Observing System); IMarEST WA Branch Meeting, 20/04/2011 - 20/04/2011, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Moltmann, T, Feng, M; WA IMOS; Indian Ocean Panel Meeting, 26/07/2011 - 28/07/2011, Chennai

Feng, M; Indian Ocean Observing System; IOGOOS Marine Observation and Forecast Meeting, 30/03/2012 - 30/03/2012, Perth, Presenter(s): Ming Feng

Bondarenko, O, Pattiaratchi, C, Hanson, CE, Gavrilov, AS, Feng, M; The Behavioural Ecology of pygmy blue whales in the Perth Canyon; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Olga Bondarenko

Edwards, L; WA Node of the Australian Ocean Data Network; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Luke Edwards

Feng, M, McPhaden, M, Xie, S, Hafner, J, Pearce, A; La Nina forces unprecedented Leeuwin Current warming, as captures by IMOS observations; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Ming Feng

Hanson, CE, Gourcuff, C, Hollings, B, Stanley, D, Woo, M, Pattiaratchi, C; Bio-optical insights from ocean gliders: particulate dynamics off southwest and northwest WA; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Christine Hanson

Kendrick, G, Hovey, RK, Van Niel, KP, Smale, DA, Bellchambers, LM, Pember, MB, Babcock, R, Thomson, D, Jakuba, M, Pizarro, O, Williams, S; Utility of the IMOS AUV facility for regional-scale monitoring of change in benthos; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Gary Kendrick

McCauley, R, Gavrilov, AS; Long-term trends in vocal characteristics of blue whales in Australia; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Alexander Gavrilov

McLaughlin, J, Coman, F, Strzelecki, J, Davies, C, Hosie, G, McLeod, DJ, Slotwinski, A, Tonks, M, Richardson, A; Plankton observing in Australia: the Australian Continuous Plankton recorder (AusCPR) survey; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Joanna Strzelecki

Meekan, MG; Tracking marine megafauna off the northern coast of Western Australia; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Mark Meekan

Pattiaratchi, C, Mihanovic, H; Peddies: what, where why?; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C, Steinberg, C, D'Adamo, N; The Holloway Current - evidence from IMOS North-west moorings; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Penton, J, Pattiaratchi, C; The effects of wind forcing on surface currents on the continental shelf surrounding Rottnest Island; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Jennifer Penton

Radford, B, Steinberg, D, Pizarro, O, Williams, S, Colquhoun, J, Heyward, A, Moore, C, Jakuba, M, Sexton, M, Cooper, T; Quantifying spatial and temporal dynamics of mesophotic coral ecosystems using AUV technology; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Ben Radford

Raes, E, McInnes, AS, Grierson, P, Strutton, P, Phillips, H, Waite, A; Nitrogen fixation in the eastern Indian Ocean; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Eric Raes

Raes, E, McInnes, AS, Strutton, P, Phillips, H, Waite, A; Dinitrogen fixation along the coast of WA and the usage of IMOS data; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Eric Raes

Slawinski, D, Feng, M, Darby, I; Rottnest NRS: a longterm perspective for the future; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Dirk Slawinski

Steinberg, C, Spagnol, S, Rigby, P, McAllister, F, Williams, DK, Brinkman, R, Pattiaratchi, C, Jones, N, Book, JW; WAIMOS Mooring Observations of the North West Shelf; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Craig Steinberg

Thomson, P, Driessen, D, Doblin, MA, Clementson, L, Thompson, P; Picoplankton abundance from IMOS National Reference Stations mark extreme weather events in Australian coastal waters; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Paul Thomson

Verspecht, F, Pattiaratchi, C, Simpson, J; Sea breezes force near-inertial waves close to the critical latitude for resonance; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Florence Verspecht

Welhena, T, Pattiaratchi, C, Feng, M; Dense Shelf Water Cascade (DSWC) on the Rottneest Continental Shelf in south-western Australia; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Thisara Welhena

Pattiaratchi, C; Ocean observations: new ideas; Oceans Institute Retreat, 08/02/2013 - 08/02/2013, Perth, Presenter(s): Charitha Pattiaratchi

MacDonald, HS, Ivey, GN, Jones, N, Lowe, R, Pequignet, C; Cyclone Modeling on the Australian North West Shelf; ASLO AGU TOS 2014 Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Helen MacDonald

Pattiaratchi, C; Peddies (petite eddies): sub-mesoscale eddies along the continental shelf off South-West Australia; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Charitha Pattiaratchi

Waite, A; Coastal particle injection into a forming mesoscale eddy in the Eastern Indian Ocean - impacts on oxygen and nitrogen dynamics; University of Western Australia Seminar, 21/03/2014 - 21/03/2014, University of Western Australia, Perth, Presenter(s): Anya Waite

Waite, A; Biological oceanography of western rock lobster larvae: living on the edge of the predator pit?; Murdoch University Seminar, 17/04/2014 - 17/04/2014, Perth, Presenter(s): Anya Waite

Babcock, R; Habitat use of Spangled Emperor in the Ningaloo Marine Park and its implication for zoning and management of the Ningaloo Reef World Heritage Area; Ningaloo Reef World Heritage Committee Meeting, 16/06/2014 - 16/06/2014, Coral Bay, Presenter(s): Russ Babcock

Watson, C, White, N, Church, JA, King, M, Burgette, R; Refining satellite era estimates of global mean sea level rise; Australian Geodesy Meeting, 01/07/2014 - 02/07/2014, Canberra, Presenter(s): Chris Watson

Harcourt, R; White Sharks, Australian Animal Tracking and global links through the Ocean Tracking Network; Shark Mitigation Strategies and Alternatives Briefing, 16/07/2014 - 16/07/2014, Canberra, Presenter(s): Rob Harcourt

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Sampling strategies for an Indian Ocean bio-Argo programme; Indian Ocean Resources Forum (IRF) Meeting, 31/10/2014 - 31/10/2014, Phuket, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Sampling strategies for an Indian Ocean bio-Argo; Bay of Bengal LME Programme Meeting, 16/03/2015 - 20/03/2015, Bangkok, Presenter(s): Nick Hardman-Mountford

Steinberg, C, Moltmann, T; Australia's Integrated Marine Observing System; Joint WMO-IOC Commission for Oceanography and Marine Meteorology DBCP PI-1, 04/05/2015 - 07/05/2015, Koror, Presenter(s): Craig Steinberg

Steinberg, C; Ocean Observing Design on Coral Reefs and Archipelagos: 3 case studies Scott Reef, Indian Ocean, Great Barrier Reef & Palau; Joint WMO-IOC Commission for Oceanography and Marine Meteorology DBCP PI-1, 04/05/2015 - 07/05/2015, Koror, Presenter(s): Craig Steinberg

Steinberg, C; Australia's Integrated Marine Observing System; GOOS Steering Committee 4, 24/05/2015 - 26/05/2015, Australian Institute of Marine Science, Townsville, Presenter(s): Craig Steinberg

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Australian and Indian bio-optical profiling float activities in the Indian Ocean; International Ocean Colour Science Meeting, 15/06/2015 - 18/06/2015, San Francisco, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Australian and Indian bio-optical profiling float activities in the Indian Ocean; IMOS Bio-Optical Working Group Workshop, 01/07/2015 - 03/07/2015, Perth, Presenter(s): Nick Hardman-Mountford

Watson, C, White, N, Church, JA, King, M, Burgette, R; Sea level rise; Surveying & Spatial Sciences Institute State Congress, 24/07/2015 - 24/07/2015, Hobart, Presenter(s): Chris Watson

Kerry, C, Roughan, M, Powell, B, Oke, PR; Observation impact in Australia's Western Boundary Current; 6th Annual Meeting of the GODAE Ocean view Science Team (GOVST-VI), 02/11/2015 - 06/11/2015, Sydney, Presenter(s): Colette Kerry

Hardman-Mountford, NJ, Jones, EM, Huot, Y, Slawinski, D, Dufois, F, Wojtasiewicz, B, Van Wijk, EM, Ravichandran, M, Prakash, S; Designing a global bioArgo array: Insights from Argo, satellite remote sensing and global models in an Indian Ocean pilot study; International Biogeochemical Argo Science Planning Meeting, 11/01/2016 - 13/01/2016, Villefranch-sur-mer, Presenter(s): Nick Hardman-Mountford

McCauley, R; The use of passive acoustics to study marine fauna with a focus on eastern Indian Ocean pygmy blue whales; Society for Underwater Technology Evening Technical Meeting, 08/06/2016 - 08/06/2016, Perth, Presenter(s): Rob McCauley

Extracting wave parameters from HF radar installations around Australia; Wave buoy user group meeting, 15/06/2016 - 16/06/2016, Fremantle

Moltmann, T; IMOS observations for coasts and extremes (Meeting Nov 2014); CAWCR, Melbourne, Presenter(s): Tim Moltmann

### **Plenary Address**

Meekan, MG; Running on empty – how the world's largest fish sustains a planktivorous life style; 85th Annual Australian Coral Reef Society (ACRS) Conference, 10/09/2010 - 12/09/2010, Coffs Harbour, Presenter(s): Mark Meekan

### **Symposium Presentation**

Speed, CW, Meekan, MG, Field, IC, Huvneers, C, Harcourt, R, McCauley, R, Stevens, JD, Bradshaw, CJA; Monitoring reef shark movement patterns with the Ningaloo Reef Ecosystem Tracking Array; Annual Ningaloo Research Symposium, 28/05/2008 - 29/05/2008, Perth

Pattiaratchi, C; Impacts of climate change on Fremantle; Adapting to Climate Change in Coastal Fremantle a Deliberative Symposium, 24/07/2009 - 24/07/2009, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Slocum ocean glider deployments along the Two Rocks transect; WAMSI Node 6 Symposium, 25/08/2009 - 25/08/2009, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Integrated Marine Observing System (IMOS) in Western Australia ; WAMSI Symposium - Monitoring for action: understanding Western Australia's changing marine and coastal environments, 24/11/2009 - 24/11/2009, Western Australian Marine Science Institution, Fremantle, Presenter(s): Charitha Pattiaratchi

Meekan, MG; Movement patterns of whale sharks at Ningaloo Reef; WAMSI Show and Tell Symposium, 09/02/2010 - 09/02/2010, Fremantle, Presenter(s): Mark Meekan

Speed, CW; Movement, feeding and behaviour of reef sharks at Ningaloo Reef; WAMSI Show and Tell Symposium, 09/02/2010 - 09/02/2010, Fremantle, Presenter(s): Conrad Speed

McGregor, KF; Frazer Habitat utilisation and human conflict: a manta ray case study at Ningaloo Reef, Western Australia; Manta Ray Symposium, 01/06/2010 - 07/06/2010, Papeete, Presenter(s): Kenneth McGregor

Pattiaratchi, C; Ocean glider deployments in WA: Overview; WAMSI Node 6 symposium: Ocean science for offshore and coastal engineering, 26/11/2010 - 26/11/2010, Perth, Presenter(s): Charitha Pattiaratchi

Radford, B, Pizarro, O, Colquhoun, J, Moore, C, Williams, S, Jakuba, M, Cooper, T, Heyward, A, Sexton, M, Burq, S; Predictive habitat mapping of deep water coral reefs using data from Multibeam and AUV machine auto-classified data and an Ecological Modelling approach; Euro ISRS Symposium, 13/12/2010 - 17/12/2010, Wageningen

Radford, B; Predictive habitat mapping of deep lagoonal reefs using data collected by multibeam sonar and autonomous underwater vehicle; Euro ISRS Symposium, 13/12/2010 - 17/12/2010, Wageningen, Presenter(s): Ben Radford

Meekan, MG; The Use of Visual Media with Data in Bio-logging; an example in whale sharks; Biologging IV Workshop - The use of Visual Media with Data in Biologging, 16/03/2011 - 16/03/2011, Hobart, Presenter(s): Mark Meekan

Pattiaratchi, C; Node 3: oceanographic processes and water circulation; WAMSI 1 Symposium, 19/09/2011 - 19/09/2011, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Node 6: ocean glider deployments in WA - an overview; WAMSI 1 Symposium, 19/09/2011 - 19/09/2011, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C, Zeldis, J, O'Callaghan, J; Comparative approaches to integrated coastal observations including applications of gliders; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Charitha Pattiaratchi

Feng, M; Climate extremes in regional oceans off western Australia; CMAR Science Symposium - Science, Impacts, Possibilities, 20/03/2012 - 22/03/2012, Hobart, Presenter(s): Ming Feng

Feng, M; The marine heat wave off WA; CMAR Science Symposium - Science, Impacts, Possibilities, 20/03/2012 - 22/03/2012, Hobart, Presenter(s): Ming Feng

Barrett, N; Developing a non-intrusive monitoring approach for describing deep water habitats and biodiversity within Australia's new commonwealth MPA network and collecting the information necessary for optimal on-reserve and off-reserve management; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Neville Barrett

Feng, M, McPhaden, M, Xie, S, Pearce, A; An extraordinary marine heat wave event off the west coast of Australia; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Ming Feng

Thomson, P, Driessen, D, Doblin, MA, Clementson, L, Thompson, P; Picoplankton abundances from IMOS National Reference Stations mark seasonal changes and extreme weather events in Australian coastal waters; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Paul Thomson

Pattiaratchi, C; The influence of the Leeuwin current on wave propagation onto the continental shelf off south-west Australia; 2nd Australian Wind-Wave Symposium, 04/06/2013 - 05/06/2013, Melbourne, Presenter(s): Charitha Pattiaratchi

Hovey, RK, Van Niel, KP, Bellchambers, LM, Pember, MB, Kendrick, G, Williams, S; Modeling an inscrutable species: a case study of the Western Rock Lobster; 10th International Temperate Reefs Symposium, 12/01/2014 - 17/01/2014, Perth, Presenter(s): Renae Hovey

Kendrick, G, Hovey, RK, Bellchambers, LM, Williams, S, Babcock, R, Smale, DA, Hayes, K, Pember, MB; Remotely studying shifts in dominant marine species through the eyes of robots (AUVs); 10th International Temperate Reefs Symposium, 12/01/2014 - 17/01/2014, Perth, Presenter(s): Gary Kendrick

Pattiaratchi, C; Integrated Marine Observing System infrastructure in north-west Australia; WAMSI North-West Marine Science Symposium, 21/02/2014 - 21/02/2014, Perth, Presenter(s): Charitha Pattiaratchi

Caputi, N, de Lestang, S, Feng, M, et, al.; Decline in puerulus settlement in the western rock lobster fishery in Western Australia: a climate change effect?; Third International Symposium of Effects of Climate Change on the World's Oceans, 21/03/2015 - 27/03/2015, Santa Barbara, Presenter(s): Nick Caputi

Caputi, N, Denham, M, Kangas, M; The effect of an extreme marine heat wave on invertebrate fisheries in Western Australia; Third International Symposium of Effects of Climate Change on the World's Oceans, 21/03/2015 - 27/03/2015, Santa Barbara, Presenter(s): Nick Caputi

Behagle, N, Gauthier, O, Cotte, C, et, al.; Spatial structure of micronekton closely related to oceanographic fronts in the South\_West Indian Ocean; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Nolwenn Behagle

Dufois, F, Hardman-Mountford, NJ, Greenwood, J, Richardson, A, Feng, M, Herbette, S, Matear, R; Impact of eddies on surface chlorophyll in the south Indian Ocean; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Francois Dufois

Feng, M; The Leeuwin Current and Ningaloo Nino; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Ming Feng

Raes, E, Bodrossy, L, Van De Kamp, J, Holmes, N, Hardman-Mountford, NJ, Thompson, P, McInnes, AS, Waite, A; Nitrogen loss genes in the photic zone; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Eric Raes

Baldry, K, Hardman-Mountford, NJ, Greenwood, J, Tilbrook, B; Remotely-sensed estimation of alkalinity in coastal waters around Australia; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): K Baldry

### Workshop Presentation

Steinberg, C, Spagnol, S, Rigby, P, McAllister, F, Williams, DK, Luetchrford, J, Pattiaratchi, C; WAIMOS North West Australia Moorings; NSW-IMOS Node Meeting, 04/06/2007 - 04/06/2007, Sydney Institute for Marine Science, Sydney

Pattiaratchi, C; Ocean Observations off Western Australia ; Global Ocean Observing System Scientific Steering Committee Workshop, 23/02/2009 - 24/02/2009, Perth, Presenter(s): Charitha Pattiaratchi

Heron, M; The Australian Coastal Ocean Radar Network; International Radiowave Oceanography Workshop 9 (ROW), 19/05/2009 - 22/05/2009, Split, Presenter(s): Mal Heron

Pattiaratchi, C; Interactions between the Leeuwin Current and the continental shelf; Institute of Marine Engineering, Science and Technology Seminar, 20/05/2009 - 20/05/2009, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; The West Australian Integrated Marine Observation System (WAIMOS); Institute of Marine Engineering, Science and Technology Seminar, 20/05/2009 - 20/05/2009, Perth, Presenter(s): Charitha Pattiaratchi

Field, IC, Meekan, MG, Bradshaw, CJA; Habitat use and residency patterns of grey reef sharks (*Carcharhinus amblyrhynchos*) at the Rowley Shoals, Western Australia; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Pillans, R, Babcock, R; Using acoustic tracking data for testing Marine Park zoning adequacy in the Ningaloo Marine Park; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Pattiaratchi, C; Plans for WAIMOS in the Kimberley; Kimberley Biological Oceanography Workshop, 03/11/2009 - 04/11/2009, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Physical oceanography; WAMSI Node 3 Synthesis Workshop, 23/03/2010 - 23/03/2010, Commonwealth Scientific Industrial Research Organisation, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; WAIMOS Programs; WAMSI Planning Workshop, 26/03/2010 - 26/03/2010, Perth, Presenter(s): Charitha Pattiaratchi

Meekan, MG; Tracking mega-fauna in the north-west of Australia; WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Mark Meekan

Pattiaratchi, C; Ocean radar; WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Steinberg, C; Throughflow (ITF) and Ningaloo National Reference Station (NRS); WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Craig Steinberg

Steinberg, C, Wijffels, S, Sloyan, B, Hill, K, Moltmann, T; IMOS Timor Leste Indonesian Through Flow Observations; Arafura and Timor Seas Expert Forum Workshop, 24/03/2011 - 24/03/2011, Dili, Presenter(s): Craig Steinberg

Meekan, MG; Tracking megafauna at Ningaloo Reef; AATAMS Biennial Workshop, 08/07/2011 - 08/07/2011, Fremantle, Presenter(s): Mark Meekan

Speed, CW; Ecology of reef sharks at Ningaloo; AATAMS Biennial Workshop, 08/07/2011 - 08/07/2011, Fremantle, Presenter(s): Conrad Speed

Pattiaratchi, C; The role of coastal engineering and oceanography on the environment and infrastructure; Environment and Infrastructure Workshop, 12/06/2012 - 12/06/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; WA radar experiences; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): Charitha Pattiaratchi



Proctor, R, Mancini, S, Edwards, L, Breslin, M, Hidas, MG, Galibert, G; WA-AODN Portal; WA Marine Management Event & Launch of WA Australian Ocean Data Network, 07/08/2012 - 07/08/2013, University of Western Australia, Perth, Presenter(s): Guillaume Galibert, Marty Hidas

Feng, M; Multi-decadal trends of the tropical Pacific and their influences on the southeast Indian Ocean; Cross-Strait Marine Science Workshop, 31/08/2012 - 02/09/2012, Wuyishan, Presenter(s): Ming Feng

Feng, M; An extraordinary marine heat wave event off the west coast of Australia; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Ming Feng

Middleton, J, Pattiaratchi, C, Roughan, M, Luick, J, Ivey, GN, Lowe, R, Phillips, H, Benthuysen, J, Wijeratne, S, MacDonald, HS; ROMS Modelling in Australia: status, plans and aspirations; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): John Middleton

Steinberg, C, Baird, ME, Middleton, J, Pattiaratchi, C, Roughan, M, Stevens, C, Wyatt, LR; Ocean Observation uptake: Present status and the way forward; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Craig Steinberg

Pattiaratchi, C; Modelling mesoscale dynamics along western and southern Australian shelf and slopes: a ROMS modelling approach; ROMS/TOMS Workshop, 24/10/2012 - 24/10/2012, Rio de Janeiro, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Ocean observations in Western Australia; ROMS/TOMS Workshop, 24/10/2012 - 24/10/2012, Rio de Janeiro, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Peddies: what, where, why?; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; The Holloway Current: evidence from IMOS north-west moorings; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Welcome, introduction and overview of IMOS and WAIMOS; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Charitha Pattiaratchi

Caputi, N; FRDC climate change project: example of an extreme event; 10th Advanced Phytoplankton Course: Taxonomy and Systematics, 12/11/2012 - 30/11/2012, Copenhagen, Presenter(s): Nick Caputi

Pattiaratchi, C; Physical oceanography; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Modern ocean observations and prediction: from waves to whales; Zhejiang University Seminar, 04/12/2012 - 04/12/2012, Hangzhou, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Modern ocean observations and prediction: from waves to whales; Hohai University Seminar, 06/12/2012 - 06/12/2012, Nanjing, Presenter(s): Charitha Pattiaratchi

Feng, M; La Nina forces unprecedented Leeuwin Current warming in 2011; The marine heat wave off Western Australia during the summer of 2010/11 - 2 years on Workshop, 11/03/2013 - 11/03/2013, Perth, Presenter(s): Ming Feng

Steinberg, C, Spagnol, S, Rigby, P, McAllister, F, Williams, DK, Luetchrford, J, Pattiaratchi, C; WAIMOS North West Australia Moorings; Northwest Shelf Workshop, 13/03/2013 - 14/03/2013, University of Western Australia, Perth, Presenter(s): Craig Steinberg

Xu, J, Ivey, GN, Lowe, R, Jones, N, Brinkman, R; Seasonal ocean dynamics on Ningaloo Shelf, Perth; Oceans Institute Seminar, 08/05/2013 - 08/05/2013, University of Western Australia, Perth, Presenter(s): Jiangtao Xu

Gedeon, A; Introducing IMOS and the Australian national facility for Ocean Gliders; Exploring Glider Data and Gliderscope Workshop, 03/10/2013 - 03/10/2013, University of Western Australia, Perth, Presenter(s): Agi Gedeon

Gourcuff, C, Kaempf, F; Glider instrumentation, sensors, data parameters, IMOS portal and WA deployments; Exploring Glider Data and Gliderscope Workshop, 03/10/2013 - 03/10/2013, University of Western Australia, Perth, Presenter(s): Claire Gourcuff

Hanson, CE; Working with and visualising glider data using Gliderscope v4.0; Exploring Glider Data and Gliderscope Workshop, 03/10/2013 - 03/10/2013, University of Western Australia, Perth, Presenter(s): Christine Hanson

Gedeon, A; Introducing IMOS and the Australian national facility for Ocean Gliders; Exploring Glider Data and Gliderscope Workshop (15/10/13), 15/10/2013 - 15/10/2013, University of Western Australia, Perth, Presenter(s): Agi Gedeon

Gourcuff, C, Kaempf, F; Glider instrumentation, sensors, data parameters, IMOS portal and WA deployments; Exploring Glider Data and Gliderscope Workshop (15/10/13), 15/10/2013 - 15/10/2013, University of Western Australia, Perth, Presenter(s): Claire Gourcuff

Hanson, CE; Working with and visualising glider data using Gliderscope v4.0; Exploring Glider Data and Gliderscope Workshop (15/10/13), 15/10/2013 - 15/10/2013, University of Western Australia, Perth, Presenter(s): Christine Hanson

Kendrick, G, Hovey, RK, Bellchambers, LM, Babcock, R, Williams, S; AUV surveys in WA; NERP Marine Biodiversity Hub: Annual Researcher Workshop, 04/11/2013 - 08/11/2013, Hobart, Presenter(s): Gary Kendrick

Gedeon, A; The Integrated Marine Observing System and Ocean Data Network in Western Australia; WALIS Forum 2013, 07/11/2013 - 08/11/2013, Perth, Presenter(s): Agi Gedeon

Thums, M; Understanding the early offshore movement patterns of turtle hatchlings and the effects of anthropogenic light - a pilot study using acoustic telemetry; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Michelle Thums

Gedeon, A; A brief introduction to IMOS moorings in WA/NT; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Agi Gedeon

Pearce, A; Seasonal and cross-shelf variability of water temperature and currents along the IMOS Two Rocks mooring transect; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Alan Pearce

Pequignet, C; Spatial and temporal variability of the regional-scale circulation on the Australian North West Shelf; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Christine Pequignet

Slawinski, D; Accessing and viewing IMOS mooring data; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Dirk Slawinski

Slawinski, D; WAIMOS moorings overview; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Dirk Slawinski

Spagnol, S, Steinberg, C; WAIMOS moorings in Northwestern Australia; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Simon Spagnol

Thomson, P; Using BGC data from IMOS NRS stations to understand phytoplankton ecology; IMOS Moorings in Western Australia/NT Workshop, 21/02/2014 - 21/02/2014, University of Western Australia, Perth, Presenter(s): Paul Thomson

Harcourt, R; Oceans of opportunity, an Australian perspective on continental scale observing; An Ocean of Opportunity: Mutual Goals, shared resources, effective outcomes, 06/06/2014 - 06/06/2014, Ocean Tracking Network, Ottawa, Presenter(s): Rob Harcourt

Richardson, A, Coman, F, Davies, C, Forcey, K, McEnulty, F, McLaughlin, J, Miller, M, Slotwinski, A, Tonks, M, Rochester, W; IMOS plankton ocean observing system: how can you use the data?; WAIMOS CPR and Plankton Data Workshop, 06/06/2014 - 06/06/2014, University of Western Australia, Perth, Presenter(s): Anthony Richardson

Raes, E, McInnes, AS, Olsen, A, Hardman-Mountford, NJ, Thompson, P, Waite, A; N2 fixation and the diazotrophic community in the eastern Indian Ocean; The 11th Annual Marine Science Student Workshop of the Australian Marine Science Association, 26/06/2014 - 27/06/2014, Rottneest Island, Presenter(s): Eric Raes

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