

Postgraduate Research Projects



Postgraduate research projects using IMOS data

Argo floats

Doctor of Philosophy (PhD), Determining changes in global ocean water mass properties with inferences for changes in air sea fluxes of heat and water, University of Tasmania; Kieran Helm, 2004-2008, Supervisor(s): Steve Rintoul

Doctor of Philosophy (PhD), Variability of Sub-Antarctic Mode Water and Antarctic Intermediate Water in the Australian sector of the Southern Ocean, University of Tasmania; Laura Herraiz-Borreguero, 2005-2010, Supervisor(s): Richard Coleman, Steve Rintoul

Doctor of Philosophy (PhD), New ocean inverse methods, University of New South Wales, Commonwealth Scientific Industrial Research Organisation; Jan Zika, 2005-2009, Supervisor(s): Trevor McDougall, Bernadette Sloyan

Doctor of Philosophy (PhD), Oceanic influence on the global hydrological cycle: Quantifying the global salinity cycle - Ocean-atmosphere freshwater fluxes, University of Tasmania; Paul Durack, 2006-2011, Supervisor(s): Susan Wijffels, Nathan Bindoff, Helen Phillips

Doctor of Philosophy (PhD), Predicting the ocean mesoscale dynamics in the Australian region, University of New South Wales, Australian Defence Force Academy; Robert Woodham, 2006-2011, Supervisor(s): Andrew Kiss, Oscar Alves, Gary Brassington; Partner Institution(s): CAWCR; Funding: Royal Australian Navy

Doctor of Philosophy (PhD), Modelling dynamics of the East Australian Current and the Subtropical Mode Water off East Coast of Australia, University of New South Wales, Australian Defence Force Academy; Vihang Bhatt, 2007-2010, Supervisor(s): Xiao Wang, John Morrison

Doctor of Philosophy (PhD), Argo data in the Coral Sea, James Cook University; Jasmine Jaffres, 2007-2010, Supervisor(s): Craig Steinberg; Partner Institution(s): Australian Institute of Marine Science

Doctor of Philosophy (PhD), Intraseasonal Variability in the Indian Ocean, Scripps Institution of Oceanography, Commonwealth Scientific Industrial Research Organisation; Kyla Drushka, 2007-2011, Supervisor(s): S Gille, Daniel Steinberg, J Sprintall

Doctor of Philosophy (PhD), Ocean Salinities and Changes to the Hydrological Cycle, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; D Abecasis, 2007-2010, Supervisor(s): Susan Wijffels, Nathan Bindoff

Doctor of Philosophy (PhD), Evaluating the potential economic benefits from regional ocean observing system to the Australian east coastal areas, Australian Defence Force Academy; Fan Zhang, 2008-2012, Supervisor(s): Xiao Wang

Doctor of Philosophy (PhD), An operational circulation forecast system for Jervis Bay, NSW, Australian Defence Force Academy; Donghui Jiang, 2008-2012, Supervisor(s): Xiao Wang

Doctor of Philosophy (PhD), Southern Ocean Overturning, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Amelie Meyer, 2009-2012, Supervisor(s): Nathan Bindoff, Helen Phillips, Bernadette Sloyan, Kurt Polzin

Doctor of Philosophy (PhD), Numerical modelling of Tasman Sea eddy field, University of New South Wales; Helen MacDonald, 2009-2012, Supervisor(s): Moninya Roughan, John Wilkin, M Baird

Doctor of Philosophy (PhD), Decadal Variability in the Indo-Pacific, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Mauro Vargas, 2010-2013, Supervisor(s): Neil Holbrook, Susan Wijffels, Gary Meyers

Doctor of Philosophy (PhD), Ocean circulation and mixing from inverse methods, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Sjoerd Groeskamp, 2011-2014, Supervisor(s): Trevor McDougall, Bernadette Sloyan

Doctor of Philosophy (PhD), The kinematics of ocean salinity changes, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Veronique Lago, 2011-2015, Supervisor(s): John Church, Simon Marsland, Susan Wijffels

Doctor of Philosophy (PhD), Phytoplankton variability in the Southern Ocean South of Australia, University of Tasmania; Robert Johnson, 2011-2014, Supervisor(s): Peter Strutton, Andrew McMinn, Klaus Meiners, S Wright; Partner Institution(s): ACE-CRC, AAD

Ships of opportunity

Doctor of Philosophy (PhD), Variability of Sub-Antarctic Mode Water and Antarctic Intermediate Water in the Australian sector of the Southern Ocean, University of Tasmania; Laura Herraiz-Borreguero, 2005-2010, Supervisor(s): Richard Coleman, Steve Rintoul

Doctor of Philosophy (PhD), Dynamics and impacts of East Australia Current variability off the southeast coast of Australia, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Katy Hill, 2005-2009, Supervisor(s): Steve Rintoul, Ken Ridgway, Richard Coleman

Doctor of Philosophy (PhD), Coccolithophores Evolution and Calcification patterns of the late Quaternary in the Southern Ocean, University of Tasmania; Joana Cubillos, Supervisor(s): W Howard, Gustaf Hallegraeff

Doctor of Philosophy (PhD), Zooplankton community dynamics: Biomass, abundance, assemblages and grazing in a sub-tropical bay, University of Queensland; Sarah Pausina, 2009-2012, Supervisor(s): Hugh Possingham, Anthony Richardson, Dave McKinnon

Doctor of Philosophy (PhD), Long-term distribution and ecology of pelagic tunicates, University of New South Wales; Natasha Henschke, Supervisor(s): Iain Suthers

Masters degree, Assimilating in situ bioacoustic data in a mid-trophic level model, École Nationale Supérieure de Techniques Avancées; Anna Conchon, 2010-2011, Supervisor(s): P Lehodey, I Senina; Partner Institution(s): CLS

Doctor of Philosophy (PhD), Zooplankton off NSW, University of New South Wales; Ben Harris, 2010-2012, Supervisor(s): Iain Suthers

Doctor of Philosophy (PhD), Diurnal variability in shallow waters of coral reefs, University of Miami; Xiaofang Zhu, Supervisor(s): P Minnett

Deep water moorings

Doctor of Philosophy (PhD), Late Pleistocene Palaeoceanographic and Geochemical Evolution of the South Tasman Rise, University of Tasmania, Antarctic Climate and Ecosystems Cooperative Research Centre; Andrew Moy, 2000-2005, Supervisor(s): W Howard

Doctor of Philosophy (PhD), Nitrogen isotopic fractionation during phytoplankton assimilation of nitrate, Princeton University, University of Tasmania; Kirsten Karsh, 2006-2011, Supervisor(s): D Sigman, Tom Trull

Doctor of Philosophy (PhD), Subantarctic zone nitrogen cycling, Princeton University; Peter DiFiore, 2006-2010, Supervisor(s): D Sigman

Doctor of Philosophy (PhD), The role of aggregation in the control of particulate carbon export, Bremen University; Friederike Ebersbach, 2006-2010, Supervisor(s): Dieter Wolf-Gladrow, Tom Trull

Doctor of Philosophy (PhD), Coccolithophores Evolution and Calcification patterns of the late Quaternary in the Southern Ocean, University of Tasmania; Joana Cubillos, Supervisor(s): W Howard, Gustaf Hallegraeff

Ocean gliders

Doctor of Philosophy (PhD), Physical processes along the Rottneest continental shelf, University of Western Australia; Thisara Welhena, 2009-2012, Supervisor(s): Charitha Pattiaratchi, Ming Feng; Partner Institution(s): CSIRO; Funding: West Australian Marine Science Institution , University of Western Australia

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, Supervisor(s): Charitha Pattiaratchi, Christine Hanson

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

Doctor of Philosophy (PhD), Oceanographic factors promoting aggregations of plankton feeding mega-fauna of Indian Ocean: the case study of Perth Canyon and Ningaloo Reef., University of Western Australia; Olga Bondarenko, 2011-2014, Supervisor(s): Charitha Pattiaratchi, Sasha Gavrillov; Partner Institution(s): AIMS

Autonomous underwater vehicle

Doctor of Philosophy (PhD), Large-Scale Multi-Sensor 3D Reconstructions and Visualisations of Unstructured Underwater Environments, University of Sydney; Matthew Johnson-Robertson, 2005-2009, Supervisor(s): Stefan Williams, Oscar Pizarro

Doctor of Philosophy (PhD), Bathymetric simultaneous localisation and mapping, University of Sydney; Stephen Barkby, 2007-2011, Supervisor(s): Stefan Williams, Oscar Pizarro

Doctor of Philosophy (PhD), Variability in mesophotic coral reef communities along the Great Barrier Reef, Australia, James Cook University; Tom Bridge, 2007-2011, Supervisor(s): Scott Smithers, Jody Webster, Robin Beaman, Terry Done

Doctor of Philosophy (PhD), Non-extractive monitoring of biodiversity on temperate Australian deepwater reefs: Using advanced vision-processing techniques to develop and test reliable biodiversity metrics, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Jan Seiler, 2008-2011, Supervisor(s): Neville Barrett, Alan Williams, Neil Holbrook

Doctor of Philosophy (PhD), Water Column Current Profile Aided Localisation for Autonomous Underwater Vehicles, University of Sydney; Lashika Medagoda, 2008-2012, Supervisor(s): Stefan Williams, Michael Jakuba

Doctor of Philosophy (PhD), Rugosity, Slope and Aspect from Bathymetric Stereo Image Reconstructions, University of Sydney; Ariell Friedman, 2009-2013, Supervisor(s): Stefan Williams, Oscar Pizarro

Doctor of Philosophy (PhD), Autonomous habitat classification using Gaussian Mixture Models, University of Sydney; Daniel Steinberg, 2009-2013, Supervisor(s): Stefan Williams, Oscar Pizarro, Michael Jakuba

Doctor of Philosophy (PhD), Adaptive Exploration Of Benthic Habitats Using Gaussian Processes, University of Sydney; Asher Bender, 2009-2013, Supervisor(s): Stefan Williams, Michael Jakuba

Doctor of Philosophy (PhD), Learning Predictive Habitat Models using Bathymetry, Seabed Terrain Features and Optical Imagery, University of Sydney; Nasair Ashan, 2009-2013, Supervisor(s): Stefan Williams, Oscar Pizarro, Michael Jakuba

Doctor of Philosophy (PhD), Light Field Processing and its Application to Autonomous Underwater Vehicle Navigation, University of Sydney; Donald Dansereau, 2010-2014, Supervisor(s): Stefan Williams, Oscar Pizarro

Doctor of Philosophy (PhD), Heterogeneous Multiple Agent Planning for Autonomous Underwater Operations, University of Sydney; Lachlan Toohey, 2010-2014, Supervisor(s): Stefan Williams, Michael Jakuba

Doctor of Philosophy (PhD), In-Situ Hyperspectral Imaging using Autonomous Underwater Vehicles for Habitat Classification, University of Sydney; Daniel Bongiorno, 2011-2015, Supervisor(s): Stefan Williams, Oscar Pizarro

National mooring network

Doctor of Philosophy (PhD), Dynamics and impacts of East Australia Current variability off the southeast coast of Australia, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Katy Hill, 2005-2009, Supervisor(s): Steve Rintoul, Ken Ridgway, Richard Coleman

Doctor of Philosophy (PhD), Sea surface circulation in the GBR and adjacent Coral Sea, James Cook University; Severine Choukroun, 2005-2010, Supervisor(s): Peter Ridd, Richard Brinkman; Partner Institution(s): AIMS@JCU

Doctor of Philosophy (PhD), Ocean Dynamics of Spencer Gulf: a numerical study, University of New South Wales, South Australian Research and Development Institute; Carlos Teixeira, 2006-2010, Supervisor(s): John Middleton

Doctor of Philosophy (PhD), Coastal upwelling and its effects on marine microbial processes, Flinders University; James Patterson, 2008-2011, Supervisor(s): Laurent Seuront, Jim Mitchell

Doctor of Philosophy (PhD), Marine productivity off Ningaloo, University of Western Australia; Cecile Rousseaux, Supervisor(s): Anya Waite, Peter Thompson

Doctor of Philosophy (PhD), Impact of physical forcings (upwelling/downwelling) and nutrients availability on the space-time dynamics of picophytoplankton communities, Flinders University; Virginie van Dongen-Vogels, 2008-2011, Supervisor(s): Laurent Seuront, Sophie Leterme, Justin Seymor, Jim Mitchell

Doctor of Philosophy (PhD), Hydrodynamic modelling and larval transport in reef systems, James Cook University; Paulina Cetina-Heradia, Supervisor(s): Sean Connelly, Peter Ridd, Richard Brinkman

Doctor of Philosophy (PhD), Implications of climate change for the oceanography of the Great Barrier Reef Ecosystem, University of Queensland; Ana Redondo-Rodriguez, Supervisor(s): Scarla Weeks, J Lough, Ray Berkelmans; Partner Institution(s): AIMS

Doctor of Philosophy (PhD), Water Mass Connectivity and Mixing: isotope and hydrographic analyses, Australian National University, South Australian Research and Development Institute; Laura Richardson, 2009-2013, Supervisor(s): John Middleton, Brad Opdyke

Doctor of Philosophy (PhD), Physical processes along the Rottneest continental shelf, University of Western Australia; Thisara Welhena, 2009-2012, Supervisor(s): Charitha Pattiaratchi, Ming Feng; Partner Institution(s): CSIRO; Funding: West 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, A Gavrilov, Chandra Salgado Kent

Doctor of Philosophy (PhD), Oceanographic factors promoting aggregations of plankton feeding mega-fauna of Indian Ocean: the case study of Perth Canyon and Ningaloo Reef., University of Western Australia; Olga Bondarenko, 2011-2014, Supervisor(s): Charitha Pattiaratchi, Sasha Gavrilov; Partner Institution(s): AIMS

Animal tagging and monitoring

Doctor of Philosophy (PhD), The ecology of the zebra shark *Stegostoma fasciatum*; with emphasis on a seasonal aggregation in south-east Queensland, Australia, University of Queensland, University of Tasmania; Chris Dudgeon, 2004-2009, Supervisor(s): Janet Lanyon, Jenny Ovenden, Jayson Semmens

Doctor of Philosophy (PhD), The effect of abiotic variables on the field diving behaviour of the Arafura Filesnake (*Acrochordus arafurae*), University of Queensland; Kristin Pratt, Supervisor(s): Craig Franklin

Doctor of Philosophy (PhD), The role of higher trophic level predators on inshore ecosystems and their interactions with fisheries: A case study examining Sevengill sharks (*Notorynchus cepedianus*), University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Adam Barnett, 2006-2011, Supervisor(s): Jayson Semmens, John Stevens, Stewart Frusher

Doctor of Philosophy (PhD), Trophic ecology of the Manta ray in lagoonal systems of Ningaloo Reef WA, Murdoch University; Kenneth McGregor, 2006-2010, Supervisor(s): Mike Van Keulen, Anya Waite, Mark Meekan; Funding: Murdoch University, Australian Institute of Marine Science

Doctor of Philosophy (PhD), Optimising stock enhancement of mulloway *Argyrosomus japonicus*, University of New South Wales; Alexander Pursche, 2007-2011, Supervisor(s): Matt Taylor, Iain Suthers

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

Honours degree, Zooplankton community, remote sensing and seasonal migration of manta rays, *Manta birostris*, at North Stradbroke Island, University of Queensland, Commonwealth Scientific Industrial Research Organisation; Lydie Couturier, 2007-2008, Supervisor(s): Mike Bennett, Kathy Townsend, Scarla Weeks

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

Masters degree, Movements and habitat use of Freshwater Sawfish (*Pristis microdon*) and Northern River Shark (*Glyphis garricki*) in Western Australia, Murdoch University; Jeff Whitty, 2007-2010, Supervisor(s): David Morgan

Doctor of Philosophy (PhD), Movement and migration of the giant Australian cuttlefish, *Sepia apama*, University of Adelaide, University of Tasmania; Nicholas Payne, 2007-2011, Supervisor(s): Bronwyn Gillanders, Jayson Semmens

Doctor of Philosophy (PhD), Observed grouping behaviour in the mourning cuttlefish *Sepia plangon*: evidence of social interactions, Maquarie University, University of Tasmania, Museum Victoria; Candice McBride, 2008-2010, Supervisor(s): Jane Williamson, Jayson Semmens, Mark Norman

Doctor of Philosophy (PhD), The impact of fish aggregating devices (FADs) on the movement of two tropical tuna species (*Katsuwonus pelamis* and *Thunnus albacares*), University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Kilian Stehfest, 2009-2013, Supervisor(s): Jayson Semmens, Mark Hindell, Toby Patterson, Laurent Dagorn

Masters degree, Assessing the efficacy of small marine protected areas for the conservation of wobbegong sharks and the eastern blue grouper, Maquarie University; Kate Lee, 2009-2011, Supervisor(s): Rob Harcourt, Charlie Huvneers, Vic Peddemors; Partner Institution(s): SARDI, I & I

Doctor of Philosophy (PhD), Movements of planktivorous marine megafauna and ocean dynamics: A case study of east Australian manta rays, University of Queensland, Commonwealth Scientific Industrial Research Organisation; Fabrice Jaine, 2009-2012, Supervisor(s): Kathy Townsend, Scarla Weeks, Anthony Richardson, Mike Bennett

Doctor of Philosophy (PhD), Efficacy of marine protected areas at providing refuge to batoid species from commercial fishing pressure within the Great Barrier Reef World Heritage Area, James Cook University; Jimmy White, 2009-2012, Supervisor(s): Colin Simpfendorfer; Partner Institution(s): Michelle Heupel (JCU), David Welch (QDEEDI/JCU), John Carlson (NOAA); Funding: ARC, Great Barrier Reef Marine Park Authority, Queensland Seafood Industry Association

Doctor of Philosophy (PhD), The biology, ecology and habitat use of the blacktip reef shark (*Carcharhinus melanopterus*) and implications for management, James Cook University; Andrew Chin, 2009-2012, Supervisor(s): Colin Simpfendorfer, Andrew Tobin, Michelle Heupel, Mark Hamman; Funding: ARC, Great Barrier Reef Marine Park Authority, Queensland Seafood Industry Association

Doctor of Philosophy (PhD), Demography and ecology of demersal stingrays at Ningaloo Reef, Western Australia, Murdoch University, Australian Institute of Marine Science; Owen O'Shea, 2009-2012, Supervisor(s): Mark Meekan, Mike Van Keulen; Partner Institution(s): AIMS, CSIRO, DEC, WA Fisheries, Eonfusion

Doctor of Philosophy (PhD), Spatial ecology of mobile predators in a tropical environment and its implications for Marine Protected Areas, James Cook University; D Knip, 2009-2012, Supervisor(s): Michelle Heupel, Colin Simpfendorfer, Andrew Tobin, James Maloney; Funding: ARC, Great Barrier Reef Marine Park Authority, Queensland Seafood Industry Association

Doctor of Philosophy (PhD), Conservation biology and ecology of the population of manta ray, *Manta alfredi*, in Eastern Australia, University of Queensland, Commonwealth Scientific Industrial Research Organisation; Lydie Couturier, 2009-2012, Supervisor(s): Mike Bennett, Kathy Townsend, Scarla Weeks, Anthony Richardson

Doctor of Philosophy (PhD), Investigating the foraging flights and chick growth in short-tailed shearwaters, University of Tasmania; Jaimie Cleeland, 2010-2011, Supervisor(s): Mark Hindell, Mary-Anne Lea

Doctor of Philosophy (PhD), Investigating the Determinants of Population Structuring in the Temperate Reef Fish *Cheilodactylus spectabilis*, University of Tasmania; Jaime McAllister, 2010-2012, Supervisor(s): Jeremy Lyle, Jayson Semmens, Colin Buxton

Honours degree, Seasonal variability in zooplankton nutritional quality in relation to manta ray (*Manta alfredi*) occurrence at North Stradbroke Island, University of Queensland; Nathalie Verlinden, 2010-2010, Supervisor(s): Kathy Townsend, Anthony Richardson, Mike Bennett, Scarla Weeks

Doctor of Philosophy (PhD), Population structure, spatial ecology and socio-economic value of reef sharks in Palau, Micronesia, University of Western Australia, Australian Institute of Marine Science; Gabriel Vianna, 2010-2013, Supervisor(s): Mark Meekan, Jessica Meeuwig, Gary Kendrick

Doctor of Philosophy (PhD), Recruitment and trophic processes of east coast blackfish: A changing role in a changing climate?, University of New South Wales; Jeromy Stocks, 2010-2013, Supervisor(s): Matt Taylor, Iain Suthers, Charles Gray; Partner Institution(s): NSW DPI, NSW RSFT; Funding: Department of Primary Industries, NSW

Doctor of Philosophy (PhD), Hydrographic drivers of migration patterns of large temperate estuarine predators, University of New South Wales; Dylan van der Meulen, 2010-2016, Supervisor(s): Matt Taylor, P Sutton, Charles Gray; Partner Institution(s): NSW DPI, UTS, NSW RFST; Funding: Department of Primary Industries, NSW

Doctor of Philosophy (PhD), Site fidelity, natal homing and metapopulation structure in large estuarine predators, University of New South Wales; Ruan Gannon, 2010-2014, Supervisor(s): Matt Taylor, Iain Suthers, Charles Gray; Partner Institution(s): NSW DPI, NSW RSFT, UTS; Funding: Department of Primary Industries, NSW

Doctor of Philosophy (PhD), Study of factors influencing fish movements, University of Technology Sydney; Gwenael Cadiou, 2010-2014, Supervisor(s): David Booth; Partner Institution(s): NSW, I&I NSW, DECCW (Jervis Bay Marine Park); Funding: South Australian Research and Development Institute

Doctor of Philosophy (PhD), Plasticity of mating systems in the giant Australian cuttlefish, *Sepia apama*, Macquarie University; Alex Schnell, 2010-2013, Supervisor(s): Rob Harcourt, Jayson Semmens, Roger Hanlon

Degree - Other, Investigations into the behaviour of acoustically monitored *Manta alfredi* at Lady Elliot Island, University of Queensland; Peggy Newman, 2010-2010, Supervisor(s): Mike Bennett, Kathy Townsend, Anthony Richardson, Scarla Weeks

Doctor of Philosophy (PhD), Connectivity and source-sink dynamics in estuarine fishes, University of Technology Sydney; Cian Foster-Thorpe, 2011-2014, Supervisor(s): Matt Taylor, David Booth, Charles Gray; Partner Institution(s): NSW DPI, NSW RFST; Funding: ARC, Department of Primary Industries, NSW

Doctor of Philosophy (PhD), Oceanographic drivers of movement in top-level coastal predators, *Coryphaena hippurus* and *Seriola lalandi*, University of New South Wales; Stephanie Brodie, 2011-2015, Supervisor(s): Matt Taylor, Iain Suthers, Charles Gray; Partner Institution(s): NSW DPI, UNSW; Funding: Department of Primary Industries, NSW

Doctor of Philosophy (PhD), The vulnerability of whaler sharks to South Australian Fisheries, Flinders University; Michael Drew, 2011-2014, Supervisor(s): Charlie Huveneers, Mark Meekan; Partner Institution(s): SARDI – Aquatic Sciences, AIMS, PIRSA

Doctor of Philosophy (PhD), Residency and movement patterns of blacktip reef sharks on an inshore island and effects of environmental variability, James Cook University, Australian Institute of Marine Science; Audrey Schlaff, 2011-2015, Supervisor(s): Michelle Heupel, Colin Simpfendorfer; Funding: Australian Institute of Marine Science, James Cook University

Doctor of Philosophy (PhD), Estuarine use and ecological impacts of two stingray families; dasyatids and urolophids (stingrays and stingarees); Tegan Marzullo, 2011-2014, Supervisor(s): Iain Suthers, Matt Taylor; Partner Institution(s): NSW DPI; Funding: Department of Primary Industries, NSW

Doctor of Philosophy (PhD), Movement of red throat emperor in relation to environmental change and marine protected areas, James Cook University, Australian Institute of Marine Science; Leanne Currey, 2011-2014, Supervisor(s): Michelle Heupel, Colin Simpfendorfer, Ashley Williams, Steve Sutton; Funding: ARC, Australian Institute of Marine Science, James

Wireless sensor networks

Honours degree, Seabirds and climate change: Can wedge-tailed shearwaters adapt to changing resource availability?, James Cook University; Fiona McDuire, 2009-2010, Supervisor(s): B Congdon

Doctor of Philosophy (PhD), Morphodynamics of coral reef platforms and sedimentary bodies, University of Sydney; Daniel Harris, 2010-2013, Supervisor(s): Ana Vila-Concejo

Doctor of Philosophy (PhD), Biodiversity, ecology and distribution of benthic foraminiferal assemblages from the southern Great Barrier Reef, Macquarie University; Erika Woolsey, 2010-2014, Supervisor(s): Glenn Brock

Satellite remote sensing

Doctor of Philosophy (PhD), Transient Coastal Upwelling Along Ningaloo Reef Project, University of Western Australia; Sohelia Taebi, Supervisor(s): Charitha Pattiaratchi

Doctor of Philosophy (PhD), Numerical modelling of Tasman Sea eddy field, University of New South Wales; Helen MacDonald, 2009-2012, Supervisor(s): Moninya Roughan, John Wilkin, M Baird

Doctor of Philosophy (PhD), Implications of climate change for the oceanography of the Great Barrier Reef Ecosystem, University of Queensland; Ana Redondo-Rodriguez, Supervisor(s): Scarla Weeks, J Lough, Ray Berkelmans; Partner Institution(s): AIMS

Doctor of Philosophy (PhD), Diurnal variability in shallow waters of coral reefs, University of Miami; Xiaofang Zhu, Supervisor(s): P Minnett

Honours degree, Macquarie Island Sea Level Extremes, University of Tasmania; Anna Hill, 2011-2011, Supervisor(s): Chris Watson
