



Australian Coral Reef Society 2009 Conference

**Saturday 26<sup>th</sup> September**

TIME		
07:30	<b>Registration opens</b>	
08:45	<b>Opening</b>	<b>Welcome to Country – Robert Mills, Larrakia Nation</b> <b>Opening – Damian Hales, Federal Member for Solomon</b>
9.00	<b>Keynote speakers</b> <b>Brolga Room</b>	<b>Russell Reichelt, GBRMPA</b> <b>Ray Berkelmans, AIMS</b>
10:00 Morning Tea		
10:20	<b>Fish Communities</b> <b>Brolga Room</b>	<b>Coral Reefs - Management and Distributions</b> <b>Billabong Room</b>
	Rebecca Fox; Assessing Functional Roles on Coral Reefs: Surprise variation in the ecosystem function of con-generic coral reef herbivores *	Patricia Sutcliffe; A comparison of patterns in sponge biodiversity (Phylum Porifera) between seabed and reef habitats on the Great Barrier Reef, Australia
	Christopher Doropoulos; Within-habitat variation in fish herbivory in Ningaloo Reef, Western Australia *	Lynnath Beckley; What's the use? High resolution mapping of reef utilisation and applications to monitoring in Ningaloo Marine Park
	Carine Lefevre; Temporal variation in coral reef ecosystem processes: herbivory of macroalgae on reefs *	Marie-Lise Schlappy; Trends in coral reef health on the Great Barrier Reef and South East Queensland
	Connor Champ; Colour discrimination in a triggerfish, <i>Rhinecanthus aculeatus</i>	Brigitte Sommer; The status of marine benthic communities at Bonaire, Netherlands Antilles, Southern Caribbean
	Ulrike Siebeck; Covert face recognition in reef fish	Tom Bridge; Topography, habitats, and macrofaunal communities of the GBR shelf edge *

	Justin Marshall; The function of colour vision on coral reefs	Elise Godwin, Fiona Merida and Julia Martin; Keeping an "Eye on the Reef"
<b>12:20 Lunch</b>		
<b>13:20</b>	<b>Ecology and Biogeography</b> Brolga Room	<b>Fish Populations</b> Billabong Room
	Bradley Opdyke; Geochemical evidence for environmental stress in Porities corals: attempting to solve the mystery of the Sahul Shoals	Christopher Goatley; Morphological structure in coral reef fish assemblages *
	Joshua Madin; A first principle approach for forecasting future coral ecology	Jennifer Donelson; Flexibility for a locally adapted reef fish *
	JY Antwertinger; Coral bio-monitoring: The effect of heterotrophy in turbid environments on skeletal concentrations	Naomi Gardiner; Site fidelity and homing behaviour in coral reef fish: limiting resilience to habitat change? *
	Narinratana Kongjandtre; Systematic and biogeographic study of <i>Favia</i> corals from Thai waters based on molecular, morphological and reproductive data *	Colin Wen; Recruitment hotspots and their role in the ecology and management of large exploited predatory fishes *
	Katherine Low; Multilocus sequence typing reveals <i>Symbiodinium</i> diversity partitions according to the ecology of the coral host	Andrew Hoey; Limited spatial resilience in a high diversity system: single species dominates key ecological process on coral reefs *
	Claire Smallwood; Getting out and about at Ningaloo: understanding visitor travel networks for better management of a fringing coral reef *	Russell Kelley; The coral identification capacity building program
<b>15:20 Afternoon Tea</b>		



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15:40	<b>Climate change and reefs</b> Brolga Room	<b>Anemones</b> Billabong Room
	Malcolm McCulloch; Coral reefs and ocean acidification	Anna Scott; Spatial and temporal patterns in a unique assemblage of host sea anemones and anemonefishes
	Jasmine Jaffres; Seasonality of mixed layer depth and projection of ocean acidification within the Coral Sea	Karen Burke da Silva; The effects of bleaching on anemone and clownfish population dynamics
	Kevin Strychar; Effects of climate change on Indo-Pacific corals: Adaptation/exaptation in scleractinian corals and evolution in zooxanthellae	Anita Nedosyko; Why do clownfish host in only 10 anemone species?: A toxicological approach *
16:40	<b>Keynotes</b> Brolga Room	<b>Phillip Munday, James Cook University</b> <b>Nick Heath, WWF</b>
17:30 Close		

**17.30 – 18.30 Poster session with drinks and canapés.**



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Sunday 27<sup>th</sup> September

TIME			
08:30	<b>Keynotes</b>	Angela Williamson, DEWHA Roland Pitcher, CSIRO	
9:30	<b>Coral Bleaching and Photosynthesis</b> Brolga Room 2	<b>Remote Sensing</b> Brolga Room 1	<b>Science and conservation in the Coral Triangle</b> Billabong Room
	Laura Wicks; Are high latitude corals well prepared for climate change? *	Paul Rigby; The Great Barrier Reef Ocean Observing System Mooring array: Monitoring the Western Boundary Currents of the Coral Sea and Impacts on the Great Barrier Reef	John Pandolfi; Coral reefs and human health in Pacific Island nations
	Adrian Lutz; Metabolic redox balance in the coral-algal symbiosis *	Halina Kobryn; Marine benthic habitats of Ningaloo Reef : mapping and derivation from hyperspectral remote sensing.	Ove Hoegh-Guldberg and <b>Selina Ward</b> ; The Coral Triangle and climate change: ecosystems, people and societies at risk
	Ross Hill; Increased rate of D1 repair in coral symbionts during bleaching is insufficient to counter accelerated photoinactivation	Chris Roelfsema; Coral Reef Geomorphic and Benthic Community Maps Produced from Object Based Classification of High Spatial Resolution Satellite Images	Ken Anthony; Climate change will lower coral reef resilience – implications for the future of the Coral Triangle
<b>10:30 Morning Tea</b>			

<b>10:50</b>	<b>Algal Assemblages</b> Brolga Room 1	<b>CReefs Australia</b> Brolga Room 2	<b>Science and conservation in the Coral Triangle</b> Billabong Room
	Shunichi Takahashi; What determines the thermal sensitivity of photoinhibition in <i>Symbiodinium</i> ?	Julian Caley; Towards a Global Biodiversity Baseline for Coral Reefs: An introduction to the CReefs Project	Siham Afatta;, Making models meaningful to coral reef managers in a developing nation: a case study of overfishing and rock anchoring in Indonesia. *
	Damian Thompson; Remote detection of extensive grazing halos at Ningaloo Reef, Western Australia	Rebecca Fisher; Taxonomic and geographic patterns in coral reef research	Hedley Grantham, Vera Agostini, Sangeeta Mangubhai and Joanne Wilson -Understanding regional-scale processes to inform local-scale zoning of an MPA in Raja Ampat, Indonesia
	Mark Westera; Algal assemblages of coral reefs of the NW Pilbara region, WA – spring blooms, natural variability and the influence of temperature, turbidity and sediment deposition	Charlotte Watson; Preliminary morphological and molecular results of the species complex <i>Treptopale</i> sp.1 (Polychaeta: Chrysopetalidae) from three northern Australian coral reefs	Joanne Wilson, Johannes Subianto, Arief Darmawan, Alison Green, Benjamin Kahn - Designing a resilient network of marine protected areas for coastal and pelagic habitats in the Lesser Sunda Ecoregion, eastern Indonesia.
	Dorothea Bender; The impact of macroalgae on the regeneration of coral tissue *	Pat Hutchings; Exploring the diversity and similarity of polychaetes at 3 coral reef sites in Australia, part of the CReefs program	Tetha Hitipeuw; Partnership approaches to achieve strategic marine turtle conservation objectives in Indonesia
<b>12:10 Lunch</b>			
<b>13:15</b>	<b>Coral Symbioses</b> Brolga Room 2	<b>Coral Disease</b> Brolga Room 1	<b>Science and conservation in the Coral Triangle</b> Billabong Room
	Emily Howells; Population dynamics of <i>Symbiodinium</i> and the resilience of coral symbioses on the Great Barrier Reef *	Marcela Diaz; Relationships between coral species' traits and disease susceptibility	Len McKenzie;'Seagrass-Watch', community-based seagrass monitoring & training.

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	Raechel Littman; <i>Symbiodinium</i> clade determines stability of bacterial associations on temperature stressed juvenile corals *	Frederic Pollock; A novel assay for the detection of the coral pathogen <i>Vibrio coralliilyticus</i>	Benjamin Kahn; Cetacean monitoring & training in the Savu Sea region.
	Kimberley Lema; Diazotrophic bacteria associated with corals of the Great Barrier Reef *	Yui Sato; Dynamics of black band disease epizootics affecting <i>Montipora</i> species on an inshore reef in the central Great Barrier Reef *	Augusto Fernandes, <b>Celestino de Barreto</b> , Anselmo Amaral, Shane Penny, Karen Edyvane – Habitat mapping, coral reef monitoring and MPA planning in Timor Leste
	Jean Baptiste Raina; Coral-Associated Bacteria and Their Role in the Biogeochemical Cycling of Sulfur *	Nicole Patten; Spatial and temporal distributions of picoplankton, bacteria and viruses at Ningaloo Reef (Cape Range), Western Australia	Karen Edyvane, Scott Whiting, Shane Penny, Neil Smit - 'Saltwater' partnerships: marine science, conservation and capacity-building programs in the Northern Territory.
	Annamieke Van Den Heuvel; Light and dark: does glucose make a difference? *	Will Aldridge; Viral community assemblages associated with hermatypic corals in relation to environmental variables on Coconut Island, Hawaii.	Panel Discussion Identifying 'best practise' science and capacity Building. Facilitator John Tanzer
<b>15:15</b> <b>Afternoon</b> <b>Tea</b>			
<b>15.35</b>	<b>Symbiosis</b> Brolga Room	<b>Early Life of Corals</b> Billabong Room	
	Jessica Stella; Biodiversity and habitat specialisation of ectosymbionts associated with branching corals	Michelle Jonker; Spatial patterns of juvenile hard corals on Australia's Great Barrier Reef	



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	Michael Cowlin; Osmoregulation and the anthozoan-dinoflagellate symbiosis	Christiana Damiano; settlement of corals - rugosity
	Kate Weatherby; Chromera velia – The missing link between algae and parasites	Vivian Cumbo; Geographic availability of free-living <i>Symbiodinium</i> for the onset of symbiosis in coral larvae *
	Florian Mayer; Particle trapping in coral mucus initiates a tightly coupled energy and nutrient cycle in fringing reefs of the Northern Red Sea *	Chico Birrell; An appraisal of methodologies to survey coral recruitment efficiently in remote areas
	Olga Pantos; A welcome guest: an addition to the coral holobiont system	Travis Hurley; Comparison of early life-history stages in structuring adult communities of scleractinian corals between inshore and mid-shore reefs of the Dampier Archipelago, Western Australia
<b>17:00</b> <b>Closing</b>		
<b>17:15</b> <b>close</b>		

<b>18:30</b>	<b>Bus departs Novotel</b>
<b>19:00</b>	<b>Dinner at Darwin Sailing Club</b>

\*Denotes a student who is eligible for student prizes.