

ENGINEERING RESEARCH FORUM

23 November 2011

Focus on climate adaptation and threats for infrastructure on the Sunshine Coast

Start	Finish	Theme	Subject	Suggested Speaker
9.00	9.45	Climate Change Adaptation	Key Engineering issues for Sunshine Coast Council (SCC)	TBC
9.45	10.15		Coastal Engineering Guidelines Update	Assoc Prof Ron Cox
10.15	10.45		Climate Change Adaptation US	Dr Andrew Garcia
10.45	11.15		MORNING TEA	
11.15	11.30		Climate Adaptation - Changing policies to fit the future: Climate adaptation as policy change in South East Queensland, Australia	Ms Johanna Mustelin
11.30	11.45		Claiming the Coastline	Ms Louise Gates
11.45	12.00		How much is our Coast worth? A review of environmental valuation approaches to natural coastal environments	Ms Sally Kilpatrick
12.00	12.15		Uncertainty analysis in planning adaptation for Climate Change	Ms Razieh Mosadeghi
12.15	12.45		Coastal Adaptation Issues	Prof Rodger Tomlinson
12.45	1.45			LUNCH
1.45	2.05	Threats to Sunshine Coast	Sunshine Coast Revetment Structures	Mr Graham Tamblyn
2.05	2.25		Flood and storm surge risk	Mr Damian McGarry
2.25	2.45		Meridan Plains Project Scope	TBC
2.45	3.15		AFTERNOON TEA	
3.15	3.35	Response to Risk	The Eastern Seaboard Climate Initiative	Dr Peter Smith
3.35	4.25		Making use of the Coastal Observation Program – Engineering (COPE) data	Dr Helen Fairweather
3.55	4.25		Continued development of the USC Engineering Research Program	Panel

Keynote Speaker

Dr. Andrew Garcia, U.S. Army Corps of Engineers.

Dr. Garcia has published extensively on the subjects of air-sea interaction and the effects of coastal storms in internationally recognised journals. He co-authored a journal article on the measurement of storm-surge from aircraft which was cited in the October 2009 Bulletin of the AMS as an Article of Note. He has been a member of the US National Weather Service Modernization Transition Committee, a Congressional Advisory Committee, which oversaw the consolidation and improvement of the National Weather Service. He participated in the Interagency Performance Evaluation Task Force (IPET) as a group leader to assist in evaluating the USACE project performance following Hurricane Katrina's flooding of New Orleans. He was awarded the Department of the Army Superior Civilian Service Award (the third-highest civilian award offered by the US Army) for this effort. He is currently involved in helping develop USACE policy in responding to sea-level change and the effects of coastal storms.

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