



PROGRAM

28 AUGUST 09:00-16:00

TIME	ACTIVITY	SPEAKERS
09:00 – 09:10	Welcome & APECSSA Information	APECS SA
09:10 – 09:15	APECS Photo Competition presentation	Ria Olivier (ALSA)
09:15 – 09:30	SCAR data management feedback	Ria Olivier (ALSA)
09:30 – 09:45	Winter Cruise feedback	Marcello Vichi (MA-RE / UCT)
Session 1		
09:45 - 10:35	Preliminary slamming detection	Jesslyn Bossau (PI: A. Bekker)
	Results from human response to slamming	Martinique Engelbrecht (PI: A. Bekker)
	The role of full-scale measurements in the development of a human digital twin.	Nicole Taylor (PI: A. Bekker)
	A Comparison of Operational Modal Analysis in Cape Town Harbour	Armand van Zuydam (PI: A. Bekker)
10:35 - 11:00	Tea Break	
Session 1 (Continued)		
11:00 - 13:00	Sea ice algae species composition, abundance, and associated physiochemical environment during austral winter in the Southern Ocean.	Simone Louw (PI: D. Walker)
	High-resolution surface phytoplankton community structure and contributions to biogeochemical cycling and carbon export across the Atlantic Southern Ocean	Ruan Parrott (PI: S. Fawcett)
	Seasonal zooplankton dynamics in the Southern Ocean	Luca Sternimann (PI: S. Fawcett)
	Biogeochemistry of nickel in the Southern Ocean: Sources, distribution and seasonal variation	Bernhard Wenzel (PI: S. Fietz)
	Seasonality of trace metal iron in the SubAntarctic Zone	Fortunate Shingange (PI: T. Mtshali)

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	Trace metals in the Southern Ocean (TBC)	TracEx Team (PI: S. Fietz)
	An improved understanding of the climate sensitivity of the Southern Ocean biological carbon pump	Tommy Ryan-Koegh(PI: S. Thomella)
	Gliders in Scale: from seasonal ice melt to storm-ocean-biological interactions unlocking new domains with robotic platforms	Marcel du Plessis (PI: S. Nicholson, S. Swart, P. Monteiro)
	High resolution gilder data to improve empirical models	Laique Djeutchouang (PI: P. Monteiro)
	Investigation of the sources and ocean-atmosphere interactions of nitrogen species in the Southern Ocean	Shantelle Smith and Jessica Burger (PI: K. Alteri)
Session 2		
14:00 - 15:15	Towards Routine Sea Ice Charting in South Africa: Getting a hold on the Southern Ocean MIZ	SAWS (PI: M. de Vos)
	Marginal Ice Zone Dynamics in the Changing Southern Ocean: Assessment of ship-based and satellite ice-atmosphere observations in winter 2019	Ehlike de Jong (PI: M. Vichi)
	Sampling of pancake and frazil ice in the Antarctic Marginal Ice Zone	Emmanuel Omatuku (PI: S. Skatulla)
	Computational modelling of the dynamics of sea ice in the Antarctic Marginal Ice Zone	Rutger Marquart (PI: S. Skatulla)
	Polar Engineering Laboratory Sea Ice Experiments	Siobhan Johnson (PI: T. Rampai)
15:15 - 15:35	Spring Cruise Plan	TBC
15:35 - 16:00	Discussion	

all times in SAST (GMT +2)

For any questions please contact APECSSA on apecssa@gmail.com.

