



# Ocean Deoxygenation Conference | Kiel 2018

## Thursday 06 September 2018

### 09 Ocean Deoxygenation - how the Past can Inform the Future: Block 1 - Audimax-Hörsaal-D (14:30-16:15)

time	[id] title	presenter
14:30	[104] Variability of dissolved oxygen over the last millennium and the 21st century in an Earth System Model.	Ms HAMEAU, Angélique
14:45	[143] Reconstruction of paleo-redox conditions in particle rain vs. diffusion dominated settings in Pacific Oxygen Minimum Zones	Dr EROGLU, Suemeyya
15:00	[253] I/Ca ratios of carbonates as proxy for changes of deoxygenation in the past: A Nano-SIMS study on benthic foraminifera for better mechanistic understanding, evaluation and application	Dr LIEBETRAU, Volker
15:15	[134] Decadal to millennial-scale changes in oxygen minimum zone intensity, export production and fish fluctuations in the Humboldt Current System	Dr SALVATTECI, Renato
15:30	[255] Decadal to multidecadal changes in marine subsurface oxygenation off central Peru since the XIX century	Dr CARDICH, Jorge
15:45	[228] Multidecadal changes of OMZ intensity over the Peruvian upper-slope inferred by pore density in benthic foraminifer <i>Bolivina seminuda</i> since XIXth century	ROMERO CHUQUIVAL, Dennis
16:00	[97] Benthic foraminiferal Mn/Ca evidence for bottom water deoxygenation in the Baltic Sea over the past 7,500 years	NI, Sha

### 09 Ocean Deoxygenation - how the Past can Inform the Future: Block 2 - Audimax-Hörsaal-D (16:30-18:00)

time	[id] title	presenter
16:30	[220] Spread of ocean anoxia and sluggish overturning circulation in a warmer-than-today world: Does the geological record support this scenario?	Prof. KUHNT, Wolfgang
16:45	[222] Climate-carbon cycle dynamics on a warmer-than-modern Miocene Earth	Dr HOLBOURN, Ann
17:00	[156] The initiation and establishment of the Western Indian Ocean Oxygen Minimum Zone during the Early to Middle Miocene	Dr BIALIK, Or M.
17:15	[71] Oscillations in Cretaceous ocean productivity and deoxygenation induced by redox-dependent nutrient cycling	WALLMANN, Klaus
17:30	[188] Impact of Cenomanian-Turonian Anoxic Events on ocean oxygenation: High-resolution records from the Atlantic Tarfaya-Laayoune Basin, SW Morocco	Mr BEIL, Sebastian
17:45	[169] Constraining global (de)oxygenation during Phanerozoic climate events	Dr OWENS, Jeremy D.

## Friday 07 September 2018

### **09 Ocean Deoxygenation - how the Past can Inform the Future: Keynote Talks - Audimax-Frederik-Paulsen-Hörsaal**

**(09:00-10:45)**

time	[id] title	presenter
09:00	[23] Past variability and recent trends of subsurface ocean oxygenation in the Eastern Tropical South Pacific: insights from proxy records	Dr GUTIÉRREZ, Dimitri
09:35	[24] Large changes in ocean oxygenation during the last ice age: observations, mechanisms and ecosystem responses to change	GALBRAITH, Eric
10:10	[25] Looking back into the future with a geochemical oxygenation proxy (I/Ca)	LU, Zunli

### **09 Ocean Deoxygenation - how the Past can Inform the Future: Block 3 - Audimax-Hörsaal-A (14:30-16:15)**

time	[id] title	presenter
14:30	[237] Exploring the links between flood cyclicality and the OMZ development on the Nile deep-sea fan during the African Humid Period	BLANCHET, Cecile
14:45	[177] Nitrogen Removal Across Glacial Terminations in the Eastern Tropical South Pacific	Prof. SEPÚLVEDA, Julio
15:00	[107] A quantitative nitrate reconstruction over the last 22,000 years in the intermediate Pacific based on the pore density of the denitrifying foraminifera <i>Bolivina spissa</i>	Dr GLOCK, Nicolaas
15:15	[85] The Natural Variability of Marine de-oxygenation in the Eastern-Tropical Pacific since the last Glacial Maximum	Dr PICHEVIN, Laetitia
15:30	[67] Benthic pelagic coupling in the Peruvian upwelling system over the last 25 thousand years	Dr ERDEM, Zeynep
15:45	[133] Multidecadal to millennial-scale changes in Oxygen Minimum Zone intensity off Peru during the last 20 kyr: Proxy – Model comparison	Prof. SCHNEIDER, Ralph
16:00	[242] Reconstructing Antarctic Bottom Water formation since the Last Interglacial Period	Dr NOBLE, Taryn