



AUSTRAL SUMMER INSTITUTE VII (ASI-VII)

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JANUARY 2 – 26, 2007

METHANE BIOGEOCHEMISTRY AND GEOPHYSICS & REMOTE SENSING AND OCEAN-LAND INTERACTION

Biomarkers, carbon cycle & microbial ecology, January 2 – 5

Lecturer	Institution	Topic
Antje Boetius	Max Planck Institute for Marine Microbiology, Germany	Microbial ecology of methane turnover
Gerald R. Dickens	Department of Earth Science, Rice University, USA	Carbon cycle and climate change
Kai-Uwe Hinrichs	RCOM, University of Bremen, Germany	Biomarkers in methane biogeochemistry

Methane hydrates, January 8 –12

Richard J. Behl	California State University Long Beach, USA	Methane hydrates and climate change: Evaluating the clathrate gun hypothesis
Gerhard Bohrmann	RCOM, University of Bremen, Germany	Methane hydrate in marine sediments - formation, detection and relevance

Sediment diagenesis & biology, January 15 –19

Jeffrey Chanton	Department of Oceanography, Florida State University, USA	Diagenesis and pore water chemistry
Lisa Levin	Scripps Institution of Oceanography, USA	Biology and ecology of methane seeps

Methane turnover & seeps, January 22 –26

Guillermo Alfaro H.	Instituto de Geología Económica Aplicada, University of Concepción, Chile	Mineral and energy: Resources of the ocean bottom: Comparison with ancient cases
Jean Whelan	Woods Hole Oceanographic Institution, USA	Natural oil and gas seeps in the ocean-potential effects on chemistry, biology, and geology of the ocean and atmosphere

REMOTE SENSING AND OCEAN-LAND INTERACTION

Rivers: Connecting land and the ocean, January 3-12

Lecturer	Institution	Topic
John D. Milliman	The College of William & Mary, USA	Rivers: Connecting land and the ocean. Processes and problems

Remote sensing & bio optics, January 16-26

Ajit Subramaniam	Lamont Doherty Earth Observatory at Columbia University, USA	Use of remote sensing and bio-optics for coastal water quality monitoring
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