

Welcome to the

3rd Sino-German Symposium

Multidisciplinary Processes in Deep Oceans and Impacts on Climate and Coastal Environment

September 3-6, 2013
Qingdao, China

This Symposium is held by the Center for Sino-German Cooperation in Marine Sciences (SGMS). The SGMS was established in 2011 to function as the extension of the successful Sino-German Initiative on Marine Sciences, implemented by the Ocean University of China (OUC), University of Bremen with the Leibniz Center for Tropical Marine Ecology (ZMT), and the University of Kiel with the then Leibniz Institute of Marine Sciences (IFM-GEOMAR, since 2012 the the Helmholtz-Centre for Ocean Research Kiel, GEOMAR). The aim of the SGMS is to facilitate and promote cooperation and networking activities among academic and research institutions in marine community of China and Germany.

This year's event is funded by the Sino-German Center for Research Promotion (CDZ) in Beijing.

Schedule

Monday, 2 September			
ARRIVAL			
Tuesday, 3 September			
8:00	Registration		
8:30	Opening Ceremony	Chair: Prof. Dr. WU Lixin Prof. Justus Notholt: Speech on behalf of Symposium Pls Welcoming Speech: Prof. Dr. LI Huajun, Vice President, Ocean University of China Speech given by CDZ representatives: Prof. CHANG Qing, Dr. Heike Strelen	
8:40	Group Photo		
Time	Speaker	Title	Institution
Session chair: Prof. Dr. BRANDT Peter			
9:00	PD Dr. GELDMACHER Jörg	Scientific drilling on Shatsky Rise: Results from IODP Expedition 324	Helmholtz Centre for Ocean Research Kiel, GEOMAR
9:20	Prof. Dr. BRANDT Peter	Ventilation of the equatorial Atlantic	Helmholtz Centre for Ocean Research Kiel, GEOMAR
9:40	Ms GAN Bolan Prof. Dr. WU Lixin	Global Warming Intensifies the Aleutian Low	Key Laboratory of Physical Oceanography, MOE, Ocean University of China
10:00	Dr. WEINELT Martin	The New Way of Processing Scientific Ocean Drilling Proposals at IODP	Helmholtz Centre for Ocean Research Kiel, GEOMAR
10:20	PD Dr. WANIEK Joanna	Long-term changes in the thermocline of the subtropical Northeast Atlantic (33°N, 22°W) 0	Leibniz Institute for Baltic Sea Research, Warnemünde, IOW
Coffee Break			
Session Chair: Prof. Dr. WU Lixin			
11:00	Prof. Dr. WOLFF Jörg-Olaf	Hydrodynamics in coastal areas – Radiation stresses and wave energies	ICBM, University of Oldenburg
11:20	Dr. WANG Weiqiang	The Indian deep meridional overturning circulation	South China Sea institute of Oceanology, CAS
11:40	Prof. Dr. ZHU Jianrong	Influences of climate change and human activities on the saltwater intrusion and freshwater resource in the Changjiang (Yangtze) River Estuary	State Key Lab. of Estuarine and Coastal Research, East China Normal University
Lunch Break			
Session Chair: Prof. Dr. VISBECK Martin			
14:00	Prof. Dr. WANG Hui	Review and Outlook of the Global Ocean Forecast	National Marine Environmental Forecasting Center
14:20	Prof. Dr. LIU Qinyu	Response of Sea Surface Temperature, Mode Water and Subtropical Countercurrent in the North Pacific to Greenhouse Gas and Aerosol Forcing	Key Laboratory of Physical Oceanography, MOE, Ocean University of China
14:40	Prof. Dr. VISBECK Martin	Selected topics on ocean change in the wider context of sustained ocean observations and climate variability	Helmholtz Centre for Ocean Research Kiel, GEOMAR
15:00	Dr. SONG Dan	A preliminary numerical study on long-term variations of the summer time Zhejiang coastal upwelling	Department of Ocean Science and Engineering, Zhejiang University
Coffee Break			
Session Chair: Dr. FENG Ming			

16:00	Dr. SU Jian	Reassessment of the regional coupled model system in the North Sea: identify the added value of the interactive coupling	Institut für Meereskunde, ZMAW, University of Hamburg
16:20	Dr. FENG Ming	2011 Ningaloo Niño – an unprecedented warming event off the Western Australia coast	CSIRO Marine and Atmospheric Research
16:40	Prof. Dr. CHEN Xueen	Modelling internal solitary waves from Luzon Strait: generation and evolution processes	College of Physical and Environmental Oceanography, Ocean University of China
17:00	Dr. JOST Günter	Pelagic oxic-anoxic interfaces – important areas for biogeochemical transformations	Leibniz-Institute for Baltic Sea Research Warnemünde, IOW
17:20	Dr. THETMEYER Helmut	Upscaling aquaculture and IMTA in offshore environments: Chances and challenges	imare GmbH
18:00	Welcoming Dinner		

Wednesday, 4 September

Session Chair: Prof. Dr. DING Pingxing

9:00	Dr. LIU Na	Numerical simulation of typhoons in the Northwestern Pacific using a Coupled Ocean–Atmosphere–Wave–Sediment Transport (COAWST) modeling system	National Marine Environmental Forecasting Center
9:20	Dr. LI Huan	Study on the mechanism of dynamic response of Kuroshio in the East China Sea to the climate change under global warming scenarios	Division of Marine Information Product Development National Marine Data and Information Service
9:40	Dr. GE Jianzhong Prof. Dr. DING Pingxing	An integrated East China Sea-Changjiang Estuary Model System with aim at resolving multi-scale Regional-Shelf-Estuarine Dynamics	State Key Laboratory of Estuarine and Coastal Research, East China Normal University
10:00	Dr. LI Ming	Potential impact of sea level rise to the morphological processes around Liverpool Bay, North West England	University of Liverpool

Coffee Break

Session Chair: Dr. LARSEN Thomas

11:00	Dr. STEINFELDT Reiner	Storage of anthropogenic carbon in the Atlantic	Institute of Environmental Physics, University of Bremen
11:20	Dr LARSEN Thomas	Tracing carbon sources through aquatic and terrestrial food webs using amino acid stable isotope fingerprinting	Leibniz Labor, University of Kiel
11:40	Ass Prof. Dr. LI Yan	Sensitivity analysis for the parameters of TOUGH+HYDRATE model with LH-OAT sampling method	School of Marine Sciences, Sun Yat-sen University
12:00	Prof. Dr. WANG Fengping	Diverse syntrophic relationships within a microbial community performing anaerobic oxidation of methane and sulfate reduction	School of Life Sciences and Biotechnology, Shanghai JiaoTong University

Lunch Break

Session Chair: Prof. Dr. WANG Houjie

14:00	Prof. Dr. XIA Zhen	The sedimentary environment since Holocene at the Beibu Gulf, the South China Sea	Guangzhou Marine Geological Survey
14:20	Prof. Dr. WANG Houjie	Sediment transport in the Bohai Sea and Yellow Seas, China: Sources and pathway	College of Marine Geoscience, Ocean University of China
14:40	Ass Prof. Dr. HE Zhiguo	Two-dimensional levee breaching model considering flow and sediment interaction	Ocean College, Zhejiang University
15:00	Prof. GAO Guoping	Impacts of Ice Formation and Ice-Ocean Interaction on the Currents over the Shelf and Slope in the Arctic Ocean	Shanghai Ocean University

Coffee Break

Session Chair: Prof. Dr. SASSO Severin			
15:30	Prof. Dr. SASSO Severin	Secondary metabolites and light-driven processes in unicellular algae	Friedrich Schiller University Institute of General Botany and Plant Physiology
15:50	Prof. Dr. LIU Sumei	Response of nutrient transports to human activities in the ecosystem of the Bohai Sea: Under the influence of artificial floods	Key Laboratory of Marine Chemistry Theory and Technology, MOE, Ocean University of China
16:10	Prof. Dr. LIU Dongyan	Palaeoecological analysis of phytoplankton regime shifts in response to coastal eutrophication	Coastal Ecology and Environment Laboratory, Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences
16:30	Prof. Dr. DUAN Delin	Coexistence deducing of C3 and C4 pathways with analysis of Rubisco gene (RbcL) and phosphoenolpyruvate carboxykinase gene (PEPCK) transcripts in <i>Saccharina japonica</i> (Laminariales, Phaeophyceae)	Key Lab of Experimental Marine Biology, Institute of Oceanology Chinese Academy of Sciences
16:50	Prof. Dr. GAO Huiwang	Impact of atmospheric forcing on primary production in the Yellow Sea	Key Laboratory of Marine Environment and Ecology, MOE, Ocean University of China
17:10	Prof. Dr. ZHAO Meixun	Environmental changes and ecosystem implications during the last 15000 years in the Okinawa Trough and the East China Sea shelf	Key Laboratory of Marine Chemistry Theory and Technology, MOE, Ocean University of China
17:30	Prof. Dr. ZHANG Chuanlun	Winter sea surface temperature reflected by the TEX86 proxy in core sediments from the coastal northern South China Sea	Tongji University
18:00	Dinner		

Thursday, 5 September

Session Chair: Prof. Dr. NOTHOLT Justus

9:00	Prof. Dr. OTT Klaus Konrad	Environmental Ethics: State of the Art	Institute for Philosophy, University of Kiel
9:20	Prof. Dr. Edosa Omoregie	Marine Research and Training: A case study of the Sam Nujoma Marine and Coastal Resources Research Centre in Namibia	Sam Nujoma Marine and Coastal Resources Research Center, University of Namibia
9:40	PD Dr LADSTAETTER-WEISSENMAYER Annette	Analysis and improvement of SCIAMACHY limb data for tropospheric ozone Retrieval	University of Bremen
10:00	Prof. Dr. NOTHOLT Justus	Remote sensing: How does it work and what do we learn with it about the climate	University of Bremen
10:20	Dr. SONG Jie	Conoidean peptides – Novel ion channel-targeted peptides from the ocean	University of Kiel

Coffee Break

Session Chair: Prof. Dr. LAN Jian

11:00	Dr. REX Markus	Interactions between the Ozone Layer and Climate Change	Alfred Wegener Institute for Polar and Marine Research, AWI
11:20	Prof. Dr. QIAO Fangli	The essential mixing effects of the non-breaking surface wave on general circulation and climate models	Department of Physical Oceanography, First Institute of Oceanography (FIO) State Oceanographic Administration
11:40	Prof. Dr. LAN Jian	On the dynamics of the South China Sea deep circulation	Ocean University of China
12:00	Dr. PFUHL Helen Anne	Expertise and excellence in ZMT	Leibniz Center for Tropical Marine Ecology (ZMT)

Lunch Break

Session Chair: Prof. Dr. CHEN Xueen

14:30	Summarizing reports of all session chairs (each 5 minutes)
15:30	Sino-German Cooperation at the Ocean University of China, by Prof. CHEN Xueen
Coffee Break	
16:00	Brainstorming for future events and tentative joint research proposals development (interaction with participants)
17:00	Summary
18:00	Farewell Dinner
Friday, 6 September	
9:00	Visits to key laboratories of OUC on Laoshan Campus <ul style="list-style-type: none"> · Academic Tour: College of Engineering, Remote Control Lab and wave/tide tank · Academic Tour: College of Marine Geoscience, Sample Room · Campus Tour
10:30	Visits to FIO, SOA: Computing Center, Agro Center
12:00	Lunch
13:30	National Deep Sea Center
15:00	City tour
18:00	Dinner
Saturday, 7 September	
DEPARTURE	

Note: For the duration of each lecture, five-minute Q&A section is included.