

Taiwanese-German Joint Symposium on Marine Gas Hydrate

TaiGer VIII

April 05-06, 2018

MARUM building, Seminar Room 2070, Center for Marine Environmental Sciences, Leobener Straße
28359 Bremen, Germany

Thursday, 5 April

- 09:00 – 09:30 Registration
- 09:30 – 10:30 Gerhard Bohrmann: *MARUM core facilities: inspection and discussion in preparation of DRV SONNE cruise TaiDrill - SO266 cruise*
- 10:30 – 11:00 **Coffee break**
- 11:00 – 11:10 *Opening Address*
- 11:10 – 11:30 Tim Freudenthal: *Drilling with MeBo200*
- 11:30 – 11:50 Gerhard Bohrmann: *Drilling gas hydrates of the Black Sea – preliminary results from R/V METEOR cruise M142*
- 11:50 – 12:10 Jörg Bialas: *A hydrate system in disequilibrium, Danube Fan, Black Sea*
- 12:10 – 12:30 Matthias Haeckel: *Black Sea gas hydrates and the SUGAR project*
- 12:30 – 13:00 Bor-Shouh Huang: *Status of NEP II Gas hydrate project*
- 13:00 – 14:00 **Lunch**
- 14:00 – 14:20 Christian Berndt: *New insights into gas hydrate abundance off SW Taiwan from seismic data*
- 14:20 – 14:40 Andrew Tien-Shun Lin and How-Wei Chen: *Sedimentology and rock physics measurements from core samples and verifications from geophysical data*
- 14:40 – 15:00 Liwen Chen: *Gas Hydrate saturation from CSEM constrained by seismic data offshore southwestern Taiwan*
- 15:00 – 15:20 Ho-Han Hsu: *Seismic Characteristics of Pointer Ridge Prospect in the Passive Margin Offshore of SW Taiwan*
- 15:20 – 16:00 **Coffee Break and group photo**
- 16:00 – 16:20 Tzu-Ting Chen: *Seismic Characteristics of Southern Good Weather Ridge Prospect in the Active Margin Offshore of SW Taiwan*
- 16:20 – 16:40 Min-Te Chen and Da-Cheng Lin: *Determining the precise timing of large-scale methane releasing in the northern SCS offshore SW Taiwan during the past 50,000 years*
- 16:40 – 17:00 Pai-Sen Yu: *The status of marine core repository in TORI: High-resolution marine sedimentary physical properties using a multi-sensor core logger*

17:00 – 17:30 Tim Freudenthal and Markus Bergenthal: Visit of MeBo200 in the MARUM Hall

19:00 **Conference Dinner:** Restaurant Osteria, Schlachte 1 28195 Bremen, www.osteria-bremen.de

Friday, 6 April

08:30 – 08:50 Li-Hung Lin and Tzu-Hsuan Tu: A study on microbial communities and biogeochemical processes in sediments of the SO266

08:50 – 09:10 MeiChin Lai: Microbial diversity and application in methane seep and hydrate habitats offshore SW Taiwan

09:10 – 09:30 Yiting Tseng: Growth and ripening of pyrite crystal during transition of dissimilatory sulfate reduction and AOM

09:30 – 09:50 Lanfeng Fan: Formation and preservation of authigenic pyrite in the methane dominant environment

09:50 – 10:10 Saulwood Lin: Modeling gas hydrate formation/dissociation, saturation level and authigenic carbonate formation in the active margin sediments offshore SW Taiwan

10:10 – 10:40 **Coffee break**

10:40 – 11:00 Yann Marcon: M³-Towards long-term acoustic monitoring of gas emissions using underwater cabled observatory technology

11:00 – 11:20 Thomas Pape: Origin and conversion of light hydrocarbons ascending at an active pockmark on Vestnesa Ridge, Arctic Ocean

11:20 – 12:00 Gerhard Bohrmann, CharShine Liu, Christian Berndt: Site selection discussion

12:00 – 12:10 Chun-Chieh Wu, Gerhard Bohrmann: Concluding remarks

12:10 – 13:00 **Lunch**

14:00 – 16:00 **City tour through the medieval part of Bremen, meeting point “Roland”**