3rd Symposium on Deep-Sea Oil Spills

December 5, 2019
Hamburg University of Technology

Channel 4 / HS28, room 0.01
Harburger Schloßstraße 28, 21079 Hamburg

09:30 Welcome @ TUHH
Prof. Dr. Ed Brinksma, President of the Hamburg University of Technology
Prof. Dr.-Ing. Michael Schlüter, head of the Institute of Multiphase Flows, C-IMAGE Co-PI

09:45 Keynote Lecture
Hydrocarbon seepage and asphalt deposits at the Campeche-Sigsbee salt province, southern Gulf of Mexico
Gerhard Bohrmann
MARUM - Center for Marine Environmental Sciences and Department of Geosciences, Bremen

10:05 - 12:30 Morning Session

10:05 Amount and Fate of Gas and Oil Discharged at 3400 m Water Depth From a Natural Seep Site in the Southern Gulf of Mexico
Miriam Römer
MARUM - Center for Marine Environmental Sciences and Department of Geosciences, Bremen

10:25 Ultra Deep Oil Spill Modeling: Advances from Ten Years of Deepwater Horizon Science
Claire B. Paris
University of Miami, Rosenstiel School of Marine and Atmospheric Science

10:45 How Energy Dissipation and Degassing Determine Oil Dispersion and Distribution in Submarine Oil Spills
Simeon Pesch
Hamburg University of Technology

11:05 - 11:30 Coffee Break

11:30 Dynamics of live oil droplets and gas bubbles in the deep sea: Aqueous dissolution versus phase transition
Jonas Gros
GEOMAR Helmholtz Centre for Ocean Research, Kiel

11:50 How the deep-sea’s high-pressure environment effects oil spills
Fabian Laukotka
Hamburg University of Technology

12:10 The Effect of Upstream Restriction on the Formation of a Free Jet
Craig Booth
University of Western Australia, Perth
12:30 - 12:40  Group Picture

12:40 - 13:55  Lunch Break

13:55 - 16:20  Afternoon Session

13:55  Direct Coupling of Near-field and Far-field Models for prediction of Oil Spill Transport and Fate from Deep-sea Blowout
Ana C. Vaz  
*University of Miami, Rosenstiel School of Marine and Atmospheric Science*

14:15  Bacterial degradation of crude oil at elevated pressure
Max Kschowak  
*Hamburg University of Technology*

14:35  Marine oil snow decomposition and physical fragmentation under controlled laboratory conditions reveal insights into MOSSFA processes
Kai Ziervogel  
*University of New Hampshire, Durham*

14:55 - 15:20  Coffee Break

15:20  Origins, spatial distributions, oil budget considerations and a new approach to predicting MOSSFA prone areas to guide future oil spill response and natural resource damage assessment
David J. Hollander  
*University of South Florida, St. Petersburg*

15:40  Trends in enhanced oil and gas recovery – challenges for process safety
Philip Jaeger, Sebastian Schulz  
*Eurotechnica GmbH, Bargteheide*

16:00  Deep sea oil spills: Facing the future
Steven A. Murawski  
*University of south Florida, St. Petersburg*

16:20 - 16:30  Closing Remarks & End of Symposium

17:30  Evening Program: Visit of the “Elbphilharmonie Plaza” (Viewing Platform of the Elbphilharmonie Concert Hall) and Dinner at Restaurant “Gröninger”, Downtown Hamburg