

SAMCoT Scientific/PhD/PostDoc Seminar - Location: Trondheim - NTNU Gløshaugen - Auditorium EL6

6th May 2014

Topic	Speaker	Starts	Ends
<i>Activities of SAMCoT SFI in the DNV GL perspective</i>	<i>Abdillah Suyuthi, DNVGL</i>	10:00	10:20
WP1: Data Collection and Process Modelling			
Overview WP1	A. Marchenko, UNIS	10:20	10:35
Ice ridges properties	Aleksey Shestov, UNIS, Post Doc	10:35	11:00
Ice-water actions on coastal structures	David Wrangborg; UNIS, PhD	11:00	11:25
WP2: Material Modelling			
Overview WP 2	K. Høyland, NTNU	11:25	11:40
DEM on Ice Rubble	Arttu Polojärvi, Aalto Post Doc	11:40	12:05
DEM on Ice Rubble	Arto Sorsimo, VTT PhD	12:05	12:30
Const. models for ice rubble, FEM	Sergey Kulyakhtin, NTNU, PhD	12:30	12:55
Lunch (12:55-13:50)			
THM Coupled Finite Element Modeling	Yared Bekele, NTNU, PhD	13:50	14:15
Const. models for ice rubble, experimental	Anna Pustogvar, NTNU, PhD	14:15	14:40
Freeze-bond development, numerical analysis and small-scale experiments	Stanislav Pavlov, UCL, PhD	14:40	15:05
Coffee Break (15:05-15:20)			
WP3: Fixed Structures in Ice			
Overview WP3	K. Høyland, NTNU A. Metrikine, TUDelft	15:20	15:35
Dynamic Ice Actions	Hayo Hendrikse, TU Delft, PhD	15:35	16:00
Dynamic Ice Actions	Torodd Nord, NTNU, PhD	16:00	16:25
Ice field heterogeneity and ice loads	Taya Sinytsina, SPbSTU, PhD	16:25	16:50
DEM, ice pile-up	Janne Ranta, Aalto, PhD	16:50	17:15
Wrap Up First Day	S. Løset/K. Høyland	17:15	18:00
1930 Dinner. Location: HavFrue - Trondheim			

7th May 2014

Topic	Speaker	Starts	Ends
<i>Arctic oil and gas: Ambitions and reality</i>	<i>Arne Gürtner, Statoil</i>	09:00	09:20
WP4: Floating Structures in Ice			
Overview WP4	S. Løset, NTNU	09:20	09:35
Coupled finite element analysis of ice - structure interactions; "Design" ice model for analysis of abnormal ice action effects	Ekaterina Kim, NTNU, PhD	09:35	10:00
Structural Resistance of Ships and Offshore Structures to Extreme Ice Loads	Martin Storheim, NTNU, PhD	10:00	10:25
Waterline Process during sloping structures interacting with a large ice floe	Wenjun Lu, NTNU, PhD	10:25	10:50
Coffee Break (10:50-11:10)			
Modelling hydrodynamic interactions between a floater and broken ice	Andrei Tsarau, NTNU, PhD	11:10	11:35
The effect of the contact model on the predicted breaking length of level ice	Chris Keijdener, TU Delft/NTNU PhD	11:35	12:00
Meso-scale Floater at Spitsbergen	Marnix vd Berg, NTNU/TU Delft, PhD	12:00	12:25
WP6: Coastal Technology			
Overview WP6	M.G. Bæverfjord, SINTEF	12:25	12:40
Modeling of erosion rates and erosion mechanisms in coastal permafrost	Emilie Guegan, NTNU, PhD	12:40	13:05
Composition, structure & properties of sediment cores and frozen soil	Daria Alexyutina, MSU, PhD	13:05	13:30
Lunch (13:30-14:15)			
WP5: Ice Management and Design Philosophy			
Overview WP5	R. Lubbad, NTNU	14:15	14:30
Alternative methods for quantifying safety ...	Farzad Farid-Afshin, NTNU, PhD	14:30	14:55
Ice drift: Iceberg towing in pack-ice	Renat Yulmetov, UNIS, PhD	14:55	15:20
Coffee Break (15:20-15:30)			
Multi-scale modelling of iceberg drift and its application to IM	Marat Kashafutdinov, NTNU, PhD	15:30	15:55
Application of Autonomous Underwater Vehicles (AUV) for operation under ice, for subsurface monitoring of sea ice and icebergs	Petter Norgren, NTNU, PhD	15:55	16:20
Risk and Safety of Marine Operations under Arctic conditions	Martin Hassel, NTNU, PhD	16:20	16:45
Wrap Up Second Day/ Summary Seminar	S. Løset/K. Høyland	16:45	17:30