



NTNU – Trondheim
Norwegian University of
Science and Technology

SAMCoT

PhD Workshop

4 - 5th September 2012, NTNU, Trondheim



SAMCoT PhD Workshop



Floaters in Ice & Ice Management

DAY 1 Tuesday, September 4th, 2012

13:00 - 13:30	Key note: Total activities in Russia (E. Coche, Total)
SEA-ICE	
13:30 - 13:55	Simulating ice-sloping structure interaction with the cohesive element method (W. Lu, NTNU)
13:55 - 14:20	Numerical and experimental challenges with a time dependent ice rubble FE-model (S. Kulyakhtin, NTNU)
14:20 - 14:45	Friction of Sea Ice on Sea Ice and Steel (S. Sukhorukov, NTNU)
14:45 - 15:10	Sea ice drift patterns (R. Yulmetov, UNIS)
15:10 - 15:35	Mapping of sea ice by laser (D. Wrangborg, UNIS)
15:35 - 15:50	Coffee Break
FLOATERS, RISK AND EXTREME ICE FEATURES	
15:50 - 16:15	Nonlinear Coupled Hydrostatics of Arctic Conical Platforms (O. Dalane, Statoil/NTNU)
16:15 - 16:40	Human influencing factors on Ice Management (M. Kashafutdinov, NTNU)
16:40 - 17:00	Strategy for simulating forces acting on icebergs in broken/managed ice (R. Yulmetov, UNIS)
17:00 - 17:25	Results from the Aalto Ice Tank Experiments (E. Kim/M. Storheim, NTNU)
17:25 - 17:45	Numerical Modelling of Floaters in Broken Ice (A. Tsarau, NTNU)
19:00	Ravnkloa: Boat leaves for Munkholmen

Coastal and fixed offshore structures

Day 2 Wednesday, September 5th, 2012

09:00 - 09:30	Key note: Experiences offshore Sakhalin (G. Kuiper, Shell)
ICE-INDUCED VIBRATIONS	
09:30 - 09:55	A multi-scale model for ice-induced vibrations (H. Hendrikse, TUD)
09:55 - 10:20	The role of ice mechanical properties in ice-induced vibrations (T. Nord, NTNU)
10:20 - 10:40	Coffee Break
COASTAL EROSION AND GEOTECHNICS	
10:40 - 11:05	Mapping coastal erosion, where and how? (E. Guegan, NTNU)
11:05 - 11:30	Preliminary results from field work in Varandey (A. Sinitsyn, UNIS)
11:30 - 11:55	Geocryology of Ugor coast of Baydara bay (D. Alek-syutina, MSU)
11:55 - 12:20	Quick Phenomena in Seasonally thawing silty Soils of Arctic Coast (A. Usov, MSU)
12:20 - 12:45	Review of FE-models for frozen soils (Y. Bekele, NTNU)
12:45	Lunch



SAMCoT Activities Week 36 Overview:

Activities	Monday 03 Sep	Tuesday 04 Sep	Wednes- day 05 Sep	Thursday 06 Sep	Friday 07 Sep	Locations NTNU Gløshaugen*
ODEN - Project kick-off	10:00 - 12:00 Lunch: 12:00 - 13:00					*Høgskoleringen 7a, Room L1-320 Lunch: Realfag cantine
SAMCoT PhD Workshop Day 1		13:00 - 17:45 Dinner: 19:00				*Høgskoleringen 7a Galleri 4/5 Dinner: Munkeholmen
SAMCoT PhD Workshop Day 2			09:00 - 12:45 Lunch 12:45 - 13:30			*Høgskoleringen 7a Gallery 4/5 Lunch: Kjelhuset
SAMCoT SAC Meeting			13:30 - 16:00			*Høgskoleringen 7a Room 2-048
Workpackage 1 & 6 Additional discussions			15:30 - 16:30			*Høgskoleringen 7a Room L1-320
Workpackage 4 & 5 Additional discussions			16:30 - 17:30			*Høgskoleringen 7a Room L1-320
SAMCoT EIAC MeetingI				10:00 - 15:00 Lunch: 11:50 -12:30		*Høgskoleringen 7a Room 2-138 Lunch: Realfag cantine
Workpackage 2 & 3 Additional discussions				10:00 - 11:30 Lunch 11:30		*Høgskoleringen 7a Room L1-320 Lunch: L1-320
WP2 Ice Rubble Workshop				12:00 - 16:00		*Høgskoleringen 7a Room L1-320
RCN Site visit to SAMCoT					10:00 - 15:00 Lunch: 12:00 - 12:45	*Høgskoleringen 7a Room 2-138 Lunch: Kjelhuset