SAMCoT Scientific / PhD / Postdoc seminar

DAY 1 (Wednesday): May 6th 2015

Location: NTNU, EL6 (Old Electrical Engineering Building)

TIME		TOPIC	SPEAKER
WP2 Material Modelling (Chair: Raed Lubbad)			
10:00	10:15	Opening/Welcome	Dean I. Strømmen /S. Løset
10:15	10:30	Overview WP2	Knut Høyland
10:30	10:55	DEM on Ice Rubble	Arttu Polojärvi, Aalto, PostDoc
10:55	11:20	Const. models for Ice Rubble, FEM	Sergey Kulyakhtin, NTNU, PhD
11:20	11:45	Const. models for Ice Rubble, experimental	Anna Pustogvar, NTNU, PhD
11:45	12:10	Modelling of Freeze-bond	Andrew Goldsmith, UCL, PhD
12:10	12:35	THM Coupled Finite Element Modelling	Yared Bekele, NTNU, PhD
12:35	13:20	LUNCH	
WP3 Fixed Structures in Ice (Chair: Raed Lubbad)			
13:20	13:35	Overview WP3	Knut Høyland/Andrei Metrikine
13:35	14:00	Ice Ridge Action	Åse Ervik, NTNU, PhD
14:00	14:25	Comparison of identified and measured Ice Forces on the Nordströmsgrund Lighthouse	Torodd Nord, NTNU, PhD
14:25	14:50	DEM, Ice pile-up	Janne Ranta, Aalto, PhD
14:50	15:05	COFFEE BREAK	
WP6 Coastal Technology (Chair: Knut Høyland)			
15:05	15:20	Overview WP6	Raed Lubbad
15:20	15:45	Assessing thermodenudation rates of Arctic Coasts	Emilie Guegan, NTNU, PhD
15:45	16:10	A new concept in developing a constitutive model for frozen soils	S.A.Ghoreishian Amiri, NTNU, PostDoc
16:10	16:35	Elasic-Viscoplastic constitutive modelling of frozen soils behavior	Mehdi Kadivar, NTNU, PhD
16:35	17:00	Three-Dimensional Numerical Modeling of Waves, Current and Sediment Transport	Hans Bihs, NTNU, PostDoc
17:00	17:25	Composition, Structure and Properties of Sediment Cores and Frozen Soil	Daria Alexyutina, MSU, PhD
19:30		DINNER Scandic Hotel Lerkendal, Klæbuveien 127	

DAY 2 (Thursday): May 7th 2015

Location: NTNU, EL6 (Old Electrical Engineering Building)

TIME		TOPIC	SPEAKER
WP1 Data Collection and Process Modelling (Chair: Knut Høyland)			
08:30	08:50	Overview WP1	Aleksey Marchenko
08:50	09:15	Ice Ridge Properties	Aleksey Shestov, UNIS, PostDoc
09:15	09:40	Stresses and Deformation in Coastal Sea Ice	David Wrangborg, UNIS, PhD
WP4 Floating Structures in Ice (Chair: Roger Skjetne)			
09:40	09:55	Overview WP4	Sveinung Løset
09:55	10:20	Discussion of Assumptions behind Rulebased Ice Loads due to Crushing	Ekaterina Kim, NTNU, PhD
10:20	10:35	COFFEE BREAK	
10:35	11:00	Pilot study of Ice-Structure Interaction in the Pendulum Accelerator	Martin Storheim, NTNU, PhD
11:00	11:25	Development of Numerical Tools for Propel-ler-wash	Andrei Tsarau, NTNU, PhD
11:25	11:50	The fracture Mechanism of Parallel Channel during Ice Management	Wenjun Lu, NTNU, PostDoc
11:50	12:15	NDEM Modelling of Ice Rubble	Marnix vd Berg, NTNU/TUD
12:15	13:00	LUNCH	
13:00	13:25	Developments towards improving Ice-floater Interaction Models	Chris Keijdener, TUD/NTNU
WP5 Ice Management and Design Philosophy (Chair: Sveinung Løset)			
13:25	13:40	Overview WP5	Roger Skjetne
13:40	14:05	DP in Managed Ice	Øivind Kjerstad, UNIS, PostDoc
14:05	14:30	Validating the Model of Iceberg Motion through Broken Ice	Renat Yulmetov, UNIS, PhD
14:30	14:45	COFFEE BREAK	
14:45	15:10	Challenges with bringing Collision Risk Mod-els used in the North Sea and Norwegian Sea to the Barents Sea	Martin Hassel, NTNU, PhD
15:10	15:35	The common basis for Probabilistic and Non-Probabalistic Design of Structures	Farzad Faridafshin, NTNU, PhD
15:35	16:00	Iceberg detection and Edge-following using AUV with Multi-beam Sonar	Petter Norgren, NTNU, PhD
16:00	16:05	Closing	Sveinung Løset