

# WS03: Ice-structure interaction

## November 6-10

Overview

## Oral (27) and poster (5) presentations

<b>Academy</b>	<b>Industry</b>
Canada: MUN & CARD (3)	Total (2)
Finland: Aalto Univ. (1+1p), VTT (1)	Statoil (1)
Holland: Tech.Univ. Delft (1)	Shell Global Solutions (2)
Norway: UNIS (1+1p)	Gazprom (1)
Poland: Univ. Gdansk (1)	
Russia: RAS (1+1p), MIPT (1+1p)	
Singapore: Nat. Univ. Singapore (1)	
UK: Cranfield Univ.(1),UCL (2), UEA(1),NOC (1)	
USA: Dartmouth College (1+1p), CRREL(3), Univ. Michigan (1)	

p - poster

## Presentations fields

1	Investigation of ice actions on real structures and ships	Shell, UNIS, Total, MUN, CRREL, Gazprom
2	Modeling of ice failure and ice interactions with model structures and conception development	TUD, AAU, Shell, MIPT
3	Mechanical properties/rheology of ice	DC, CRREL, VTT
4	Icing (mostly with application to aircrafts)	UCL, CU
5	Interaction of waves in ice covered regions bounded by model structures	UEA, RAS, Univ.Gdyansk, Univ.Michigan
6	Review of studies	MUN, STATOIL, NOC, Nat.Univ.Sing

## **Important topics not covered by the WS03 presentations**

- Ice keels actions on seabed and pipelines
- iceberg management
- actions of frozen soils on structures in coastal zones
- icing of ships, offshore and coastal structures
- ice management and loads on floaters
- Ice islands