



sfi Centre for  
Research-based  
Innovation

# CIRFA Annual Conference

17 – 18 October 2018  
Sommarøy Arctic Hotel

# CIRFA CONFERENCE 2018

## PROGRAM

Wednesday 17 October

TIME	TITLE
<b>12:00 – 12:45</b>	<b>Lunch</b>
12:45 – 12:55	<i>Welcome and introduction to conference</i> , Torbjørn Eltoft, UiT
12:55 – 13:00	<i>Interactive session – orientation</i> , Lise Nordgård, UiT
	<b>Session 1 (Chair: Torbjørn Eltoft)</b>
13:00 – 13:20	<i>“Status for WP1: Ocean remote Sensing”</i> , Harald Johnsen, NORUT
13:20 – 13:40	<i>“Status for WP5 and highlights from recent field experiments”</i> , Kai Håkon Christensen, Met.no
13:40 – 14:00	<i>“SARiNOR SARex”</i> , Tor Husjord, Maritimt Forum
14:00 – 14:15	<i>“Chl-a Monitoring in the Barents Sea”</i> , Katalin Blix, PhD fellow, UiT
14:15 – 14:35	Discussion
<b>14:35 – 14:55</b>	<b>Break</b>
	<b>Session 2 (Chair: Anthony Doulgeris)</b>
14:55 – 15:15	<i>“Status for WP 2: Sea Ice, Icebergs and Growler Remote Sensing”</i> , Wolfgang Dierking, AWI/UiT
15:15 – 15:35	<i>“Assimilation of Sea Ice Information in Numerical Models”</i> , Johannes Lohse & Sindre Fritzner, PhD fellows, UiT
15:35 – 15:55	<i>“Practical use of satellite earth observation and AIS data for Arctic marine operations”</i> , Andreas Kjøl, Kystverket
15:55 – 16:15	Discussion
<b>16:15-16:35</b>	<b>Break</b>
	<b>Session 3: (Chair: Malin Johansson)</b>
16:35 – 16:55	<i>“Status for WP 3: Oil Spill Remote Sensing”</i> , Christian Petrich, Norut Narvik
16:55 – 17:15	<i>“Remote Sensing – an absolute neccessity”</i> , Kristin Huseby, NOFO
17:15 – 17:30	<i>“Oil spill and newly formed sea ice in an Arctic Environment”</i> , Malin Johansson, UiT
17:30 – 17:50	<i>“AOSD -Automatic Oil Spill Detection for the SeaCOP field monitoring system”</i> , Jonas Aamodt Moræus, NORBIT Aptomar AS
17:50 – 18:10	Discussion
<b>18:10 – 18:40</b>	<p><b>Poster Session</b>  <b>Poster highlight session (2 min each)</b>            Artem, Katalin, Johannes, Anca, Malin, Jean, Ingri, Xu, Megan, Cornelius, Rolf-Ole, Sindre, Runa, Thomas            Poster Session</p> <ul style="list-style-type: none"> <li>• <i>Evaluation of ocean surface currents derived from Sentinel-1 A/W Doppler shift with comparison to HF-radar and ocean surface drifters observations</i>: Artem Moiseev and Harald Johnsen</li> <li>• <i>Machine Learning for Earth Observation</i>: Katalin Blix</li> <li>• <i>Sea Ice Mapping from Sentinel-1</i>: Johannes Lohse, Doulgeris, A., Dierking, A.</li> <li>• <i>Segmentation of wide-swath SAR images</i>: Anca Cristea, Doulgeris, A.P., Eltoft, T.</li> <li>• <i>L-band SAR Missions for Operational Pan-arctic Sea Ice Classification</i>: Malin Johansson, Singha, S., Doulgeris, A.P.</li> <li>• <i>Validation of remote sensing interpretation of sea ice</i>: Jean Negrel</li> <li>• <i>Automatic detection of small icebergs in fast ice using satellite wide-swath SAR images</i>: Ingri Halland Soldal, Dierking, W., Korosov, A., and Marino, A.</li> <li>• <i>Dielectric properties and roughness analysis of oil contaminated ice</i>: Xu Xu, Brekke, C., Doulgeris, A.P., Melandsø, F.</li> <li>• <i>Observations of Ice Conditions and Properties in Norwegian Fjords During the Winter of 2018 and Implications for Oil Spill Response</i>: Megan O`Sadnick</li> <li>• <i>Retrieving the dielectric properties of oil slicks using SAR</i>: Cornelius Quigley, Eltoft, T., Brekke, C.</li> <li>• <i>Snow and Ice Measurements With Drone-Mounted UWB Radar</i>: Rolf-Ole Rydeng Jensen, Jacobsen, S., Eltoft, T., Storvold, R.</li> <li>• <i>A high resolution sea-ice model for local ice forecast</i>: Sindre Markus Fritzner, Hattermann, T., Xhou, Q., Graversen, R., Christensen, K., Wang, K.</li> <li>• <i>A tactical free-drift ice prediction model assimilating real-time ice drift observations at engineering scale</i>: Runa A. Skarbø</li> <li>• <i>Innovation Projects for WP3 – Oil Spill Remote Sensing</i>. Martine M. Espeseth, Brekke, C., Steinbakk, L., and Kræmer, T.</li> </ul>

# PROGRAM

Thursday 18 October

TIME	TITLE
<b>08:30 – 10:10</b>	<b>Session 4 (Chair: Thomas Kræmer, UiT)</b>
08:30 – 08:50	<i>"Status for WP 4: RPAS Technology"</i> , Rolf Ole Jenssen, Norut
08:50 – 09:10	<i>"Status for WP 6: Data Collection and Field Work"</i> , Sebastian Gerland, Norwegian Polar Institute
09:10 – 09:30	<i>"Status for WP 7: Pilot Service Demonstration"</i> , Nick Huges, Norwegian Ice Service
09:30 – 09:50	Discussion
<b>09:50 – 10:10</b>	<b>Break</b>
<b>10:10 – 12:00</b>	<b>Interactive session/discussions</b>
<b>12:00 – 12:00</b>	<b>Lunch</b>
<b>12:45 – 13:45</b>	<b>Interactive session/discussions continues – presentation of group work</b>
<b>13:45 – 14:00</b>	<b>Closure, Torbjørn Eltoft</b>
<b>14:00 – 14:15</b>	<b>Break</b>
<b>14:15 – 14:45</b>	<b>General Assembly</b>
<b>15:00</b>	<b>Bus from Sommarøy</b>
<b>16:15</b>	<b>Arrive Tromsø</b>
<b>17:30 – 19:30</b>	<b>Scientific Advisory Board (SAB) meeting, Scandic Ishavshotel</b>
<b>20:00</b>	<b>Scientific Advisory Board (SAB) dinner</b>







# PARTICIPANTS: CIRFA ANNUAL CONFERENCE

17–18 October 2018

NAME	ORGANISATION/COMPANY
Lise Nordgård	UiT
Malin Johansson	UiT
Harald Johnsen	Norut
Kai Christensen	Meteorologisk institutt
Thomas Kræmer	UiT
Artem Moiseev	The Nansen Center
Nick Huges	Norwegian Ice Service
Hugo Isaksen	Kongsberg Satellite Services AS
Sindre Fritzner	UiT
Andrea Marinoni	UiT
Runa A. Skarbø	NTNU
Tom Rune Lauknes	Norut
Svein Olav Drangeid	OMV (Norge) AS
Irena Hajsek	ETH Zürich
Jean Negrel	Norwegian Polar Institute
Anthony Doulgeris	UiT
Dmitry Divine	Norwegian Polar Institute
Jan Paul	OMV
James Maslanik	Univ. of Colorado / CIRFA SAB
Morten Wergeland Hansen	Nansensenteret
Torbjørn Eltoft	UiT
Tine Gamst	OMV
Andreas Kjøl	Kystverket
Johannes Lohse	UiT
Kristin Klem Huseby	NOFO
Xu Xu	UiT
Katalin Blix	UiT
Ingri Halland Soldal	NERSC
Øyvind Rinaldo	Kystverket

NAME	ORGANISATION/COMPANY
Torunn Tøllefsen	KSAT
Aanund Storhaug	Miros
Julia Stanilovskaya	TOTAL S.A.
Richard Hall	Equinor
Chris Petrich	Norut Narvik
Anca Cristea	UiT
Kjell Arild Høgda	Norut
Rolf Ole Rydeng Jenssen	UiT
Megan O`Sadnick	Norut Narvik
Cornelius Quigley	UiT
Vebjørn Karisari	UiT
Knut-Frode Dagestad	MET Norway
Wang Keguang	MET
Adrian Jones	OMV Norge
Sebastian Gerland	Norwegian Polar Institute
Henning Skriver	DTU Space
Tor Husjord	Maritimt Forum
Wolfgang Dierking	AWI, UiT
Frode Dinessen	Meteorologisk Institutt
Jonas Aamodt Moræus	NORBIT Aptomar AS
Martin Skedsmo	Norinnova
August Krokan	UiT
Leif J. Dalsgård	Petroleumstilsynet
Rune Storvold	Norut
Robert Bridges	TOTAL
Reidun Klykken	Norinnova
Ulf Klevstad	ENI Norge AS
Joakob Grahn	Norut
Penelope Wagner	Norwegian Sea Ice

