

# Accepted Manuscript

Evaluating landfast sea ice stress and fracture in support of operations on sea ice using SAR interferometry

Dyre O. Dammann, Hajo Eicken, Andrew R. Mahoney, Franz J. Meyer, Jeffrey T. Freymueller, Alexander Max Kaufman



PII: S0165-232X(17)30027-7  
DOI: doi:[10.1016/j.coldregions.2018.02.001](https://doi.org/10.1016/j.coldregions.2018.02.001)  
Reference: COLTEC 2529

To appear in: *Cold Regions Science and Technology*

Received date: 16 January 2017  
Revised date: 15 January 2018  
Accepted date: 9 February 2018

Please cite this article as: Dyre O. Dammann, Hajo Eicken, Andrew R. Mahoney, Franz J. Meyer, Jeffrey T. Freymueller, Alexander Max Kaufman , Evaluating landfast sea ice stress and fracture in support of operations on sea ice using SAR interferometry. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Coltec(2017), doi:[10.1016/j.coldregions.2018.02.001](https://doi.org/10.1016/j.coldregions.2018.02.001)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# **Evaluating landfast sea ice stress and fracture in support of operations on sea ice using SAR interferometry**

Dyre O. Dammann<sup>1,2</sup>, Hajo Eicken<sup>3</sup>, Andrew R. Mahoney<sup>1</sup>, Franz J. Meyer<sup>1</sup>,  
Jeffrey T. Freymueller<sup>1</sup>, Alexander Max Kaufman<sup>1</sup>

<sup>1</sup>Geophysical Institute, University of Alaska Fairbanks, Fairbanks, Alaska

903 Koyukuk Drive, Fairbanks, AK 99775, USA

<sup>2</sup>Department of Space, Earth, and Environment, Chalmers University of Technology,

Hörsalsvägen 11, Gothenburg, Sweden

<sup>3</sup>International Arctic Research Center, University of Alaska Fairbanks, Fairbanks, Alaska

930 Koyukuk Drive, Fairbanks, AK 99775, USA

dyre.dammann@chalmers.se, heicken@alaska.edu, armahoney@alaska.edu,

fjmeyer@alaska.edu, jfreymueller@alaska.edu, amkaufman@alaska.edu

## **Corresponding author:**

Dyre O. Dammann

Chalmers University of Technology, Space, earth, and environment, 414 96 Gothenburg, Sweden,

dyre.dammann@chalmers.se, +46 031 772 1577

## **Keywords:**

Ice roads; Remote sensing; Ice trafficability; Arctic; Synthetic aperture radar

interferometry; Ice strain; Landfast ice; Sea ice; ALOS PALSAR; TerraSAR-X; Ice

stability; Ice dynamics

Download English Version:

<https://daneshyari.com/en/article/8906519>

Download Persian Version:

<https://daneshyari.com/article/8906519>

[Daneshyari.com](https://daneshyari.com)