

Registration

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The registration to the conference is possible until the beginning of the conference depending to the capacity; deadline for inclusion in the participants list is the 15th March 2013.

.....
Company/Institution

.....
Name, Forename, Title

.....
Telephone/E-Mail

.....
Billing address

.....
Zip Code, City, Country

.....
Stamp/Signature

Participation fee:

Non-Member: ☐ € 190,- (incl. 19% tax)
Member*: ☐ € 150,- (incl. 19% tax)
Speaker: ☐ free

**Personal Members of P.O.L.A.R., CMT, GMT, STG*

The participation fee includes the printed conference proceedings, the participants list, catering and the harbor tour dinner at the 21. March

☐ I will attend the harbor tour dinner at 21. March

Bank account:

Förderverein für Produktionstechnik und Automatisierung e.V.

Bank: Ostseesparkasse Rostock
Konto: 46 000 34 96
IBAN: DE 03 1305 0000 0460 0034 96
BLZ: 130 500 00
BIC: NOLADE21ROS
Ust-IdNr.: 079 / 141 / 02116
Reference "Participants name"

Information

Conference location:

Fraunhofer Application Center
Large Structures in Production Engineering
Albert-Einstein-Straße 30
18059 Rostock · Germany

Correspondence address:

Sybille Fertig
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Accommodation:

In the following hotel is a contingent of rooms reserved at a special rate (keyword: POLAR):

Radisson Blu Hotel Rostock
Lange Strasse 40
18055 Rostock · Germany

Telephone: +49 (0) 381-37 50 35 20
Fax: +49 (0) 381-37 50 35 90
Email: Katja.Kemlein@radissonblu.com



Conference on Production, Operation and Living in Arctic Regions

**Fraunhofer Applicationcenter
Rostock, Germany**

20.03. – 21.03.2013

Topics:

- Arctic Natural Gas: Fuel of the Future
- LNG as Fuel for Sensitive Environment
- Cargo Containment Systems for harsh environment
- Technical Equipment for the Arctic
- Working and Living in the Arctic Regions



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Program Session 1 and 2

Wednesday, 20. March 2013	
09:00 – 10:00	Registration
10:00 – 12:00	Session 1 Arctic Natural Gas: Fuel of the Future
10:00	Opening and Greeting Words Hans-Peter Hiepe, Bundesministerium für Bildung und Forschung
10:30	LNG projects in arctic regions René Matthies, KAEFER Isoliertechnik GmbH & Co. KG
11:00	The P.O.L.A.R. Project Burghard Zimmermann, Nordic Yards GmbH
11:30	Opportunities of the Northern Sea Route Dr. Joachim Schwarz, GMT Gesellschaft für Maritime Technik e. V.
12:00 – 12:45	Lunchtime snack

12:45 – 14:50	Session 2 LNG as Fuel for Sensitive Environment
12:45	LNG – environmental and economic fuel systems for Arctic ships Reinhard Schollenberg, Nordic Yards GmbH
13:10	Trends in the use of LNG in modern medium-speed engines Dr. Dirk Thum, MAN Diesel & Turbo SE
13:35	Design of insulation systems with reduced insulation thickness for LNG fuel tanks Bernd Glißmann, KAEFER Isoliertechnik GmbH & Co. KG
14:00	Efficient Boil Off handling – benefits On- and Offshore Björn Großmann, Institut für Luft- und Kältetechnik gGmbH

Program Session 3

14:25	Design and Simulation of Winterization Measures and LNG-Components at Cryogenic Temperatures Frank Buchholz, Nordic Yards GmbH
14:50 – 15:00	Coffee break

15:00 – 17:00	Session 3 Cargo Containment Systems for harsh environment
15:00	Development of jointless spray foam insulation systems for LPG/LEG/LNG cargo tanks Alexander Boguhn, KAEFER Isoliertechnik GmbH & Co. KG
15:25	Dehonit Compressed Wood: The Cryogenic Support Christian Schmeing, Deutsche Holzveredelung Schmeing GmbH & Co. KG
15:50	Custom made composite supports for LNG cargo systems Kai Ehrich, Fraunhofer AGP
16:15	Numerical and Experimental Simulation of Liquid Sloshing Dr. Sebastian Schreier, University of Rostock, Chair of Ocean Engineering
16:40	Differences and similarities concerning the behaviour of cryogenic liquids in rocket tanks and LNG ships Dr. Kei Philipp Behruzi, Astrium Space Transportation
17:00 – 18:00	P.O.L.A.R. – Exhibition
19:30 – 22:30	Harbour tour with dinner

Program Session 4 and 5

Thursday, 21. March 2013	
09:00 – 11:00	Session 4 Technical Equipment for the Arctic
09:00	Arctic LNG Platform: A Concept Study Robert Fölsch, Neptun Ship Design GmbH
09:30	Production, transport and installation of offshore and ship structures for arctic applications Peter Thiemann, Ingenieurtechnik und Maschinenbau GmbH
10:00	New De-Icing Methods for the Cargo Handling of LNG Carriers in the Arctic Dr. Katrin Riesner, R&M International GmbH
10:30	Testing procedures for corrosion protection and de-icing performance of coatings Dr. Andreas Momber, Muehlhan Deutschland GmbH
11:00 – 11:30	Snack and coffee break

11:30 – 13:30	Session 5 Working and Living in Arctic Regions
11:30	Working on arctic construction sites Christian Bauer, KAEFER Isoliertechnik GmbH & Co. KG
12:00	Modular panels for living quarter hulls in harsh and arctic environment René Diederich, IMAWIS GmbH
12:30	Infrastructure in and on the snow to live and work on polar ice caps Prof. Dr. Frank Wilhelms, Alfred-Wegener-Institut für Polar- und Meeresforschung
13:00	Closing remarks