

9th International Rope Technology Workshop/ 2011 OIPEEC Conference

March 22-24, 2011

Schedule



2011 Workshop Sponsors

Monday, March 21st

5:00 - 6:30 p.m. Welcome Cocktail Reception

Tuesday, March 22nd

8:30 - 10:00 a.m. OIPEEC 25th General Assembly

10:30 - 12:00 a.m. Session 1

10:30 - 11:00 a.m. Degradation Mechanism of Wire Ropes Operating on Multi-layer Crane and Mine Hoisting Drums

Gerhard Rebel, Roland Verreet and Bodo Schmitz- CASAR Drahtseilwerk Saar GmbH and Wire Rope Technology Aachen

11:00 - 11:30 a.m. Safe Use of Hoisting Drums Wound with Multiple Layers of Wire, Hybrid, Fibre and/or Large Diameter Ropes

Armin Lohrengel, Konrad Stahr and Martina Wächter- Clausthal University of Technology

11:30 - 12:00 p.m. Strength Testing of Retired Main Hoist Ropes of Multi-bucket Wheel Excavators

Andrzej Tytko- AGH – University of Science and Technology, Cracow, Poland

12:00 - 1:00 p.m. Lunch

1:00 - 3:00 p.m. Session 2

1:00 - 1:30 p.m. Wear of Ropes on Mooring Fairleads

Isabel M L Ridge, Roger E. Hobbs and Stephen J. Banfield- Tension Technology International Ltd. UK

1:30 - 2:00 p.m. A Holistic Approach to Continuous Rope Monitoring

J. Marais and N. Bester- ANSYS

2:00 - 2:30 p.m. New Calculation Method for Slip and Cut Procedure of Rotary Drilling Lines

Ulrich Briem- University of Applied Sciences Regensburg, Germany

2:30 - 3:00 p.m. Synthetic Fiber Rope Work Wire for Lowering Applications

Mark Huntley- Whitehill Manufacturing Corporation

3:00 - 3:30 p.m. Break

3:30 - 5:00 p.m. Session 3

3:30 - 4:00 p.m. Dynamic Loading Effects on Aramid Fibers

Matthijs van Leeuwen- Teijin Aramid

4:00 - 4:30 p.m. Quasi-static Properties of High Stiffness Fibre Ropes for Ultra-deep Water Moorings

Cesar Del Vecchio and Antonio Henrique Monteiro da F. T. Silva- Petrobras/CENPES

4:30 - 5:00 p.m. Re Certification of Used Fiber Ropes for MODU Moorings

Tone Julseth Paulsen and Vidar Åhjem- Det Norske Veritas AS, Technical Advisory Ship and Offshore

5:00 - 6:30 p.m. Cocktail Reception

Wednesday, March 23rd

8:30 - 11:30 a.m. Session 4

- 8:30 - 9:00 a.m. The Influence of Twist on Tension-tension Fatigue of Wire Ropes
Bjoern Ernst and K.H. Wehking- Institute of Mechanical Handling and Logistics (IFT) of University of Stuttgart
- 9:00 - 9:30 a.m. What We Can Learn from Wire Rope Failures: Predictable and Unpredictable Rope Failures
Roland Verreet- Wire Rope Technology Aachen
- 9:30 - 10:00 a.m. The Use of a Non-rotating Rope for the Miracle Rescue in Chile
Roland Konrad and Robert Traxl- Teufelberger, Austria

10:00 - 10:30 a.m. Break

- 10:30 - 11:00 a.m. Research and Development of a New Termination for High-tensile Fibre Ropes
Sven Winter, Anita Finckh-Jung and K.H. Wehking- Institute of Mechanical Handling and Logistics (IFT) of University of Stuttgart
- 11:00 - 11:30 a.m. Improved Safety of Steel Wire Rope End Connections
John Moerkerk

11:30 - 1:00 p.m. Lunch

1:00 - 4:00 p.m. Session 5

- 1:00 - 1:30 p.m. Fiber Rope Myths
John Flory- Tension Technology International LLC
- 1:30 - 2:00 p.m. Pitfalls of Comparative Rope Materials Testing Using Accelerated Methods
Forrest Sloan- Kuraray America, Inc.
- 2:00 - 2:30 p.m. The Effect of Bending on the Tensile Strength of Statically Loaded Synthetic Ropes
Greg Z. Mozsgai and Danielle Stenvers- Samson Ropes

2:30 - 3:00 p.m. Break

- 3:00 - 3:30 p.m. Revision of the ABS Guidance Notes on Fiber Rope Moorings
Tom Kwan and Pao-Lin Tan and Ken Huang- JD Marine and ABS

3:30 - 5:00 p.m. Open Panel Discussion- Fiber Rope Stiffness Testing

5:30 - 9:00 p.m. Conference Reception and Banquet

- 5:30 - 6:30 p.m. Cocktail Reception
- 6:30 - 6:50 p.m. Salad
Keynote Speaker
- 6:50 - 7:30 p.m. Dinner
- 7:30 - 7:45 p.m. Dessert
Rope Pioneer Award
- 7:45 - 8:00 p.m. Texas A&M University Stealth Squad Performance
- 8:00 - 9:00 p.m. Bluegrass Band

Thursday, March 24th

8:30 - 11:30 a.m. Session 6

- 8:30 - 9:00 a.m. A New and Innovative Wire Rope Bending Fatigue Machine
Roland Verreet and Jean-Marc Teissier- Wire Rope Technology Aachen and DEP
- 9:00 - 9:30 a.m. Design of Machine to Test the Strength of Synthetic Mooring Ropes Used in Marine Technology
A. Gonçalves, P.R.F. Teixeira and F.E.G. Chimisso- POLICAB – Stress Analysis Laboratory, Federal University of Rio Grande, RS, Brazil
- 9:30 - 10:00 a.m. Development of New Methods for Non Destructive Testing of Stranded Ropes with a Diameter Larger Than 100mm
Sven Winter, Dirk Moll and Alexander Steven- Institute of Mechanical Handling and Logistics (IFT) of University of Stuttgart and Acergy Group

10:00 - 10:30 a.m. Break

- 10:30 - 11:00 a.m. Large Rope Testing at Holloway Houston
George Watson and David Richards- Holloway Houston, Inc.
- 11:00 - 11:30 a.m. Fiber Rope Test Machines Available at DNV's Laboratories
Tone Julseth Paulsen, Vidar Åhjem and Kurt Eide- Det Norske Veritas AS, Technical Advisory Ship and Offshore

11:30 - 1:00 p.m. Lunch

1:30 - 3:15 p.m. Haynes Coastal Engineering Lab & OTRC Tour*

3:15 - 5:30 p.m. Messina Hof Tour and Wine Tasting*

5:30 p.m. Messina Hof Dinner*

* It should be noted that the **Haynes Coastal Lab/OTRC/Messina Hof Tour** is an optional event that needs to be signed up for on the registration site