TUESDAY, 13 OCTOBER 2015

07.00 Conference Registration, Coffee Service & Open Exhibition
   Sponsored by DRILCO
   Winter Garden

07.00 Speaker Briefing
   (Speakers, Moderators & Session Chairs only)
   Grand Ballroom

08.30 Welcome, Introduction & Safety Briefing
   Stephen A. Colville, President & CEO, IADC
   Terry Loftis, IADC ART Committee Chairman; Director Engineering, Transocean
   Grand Ballroom

08.40 Keynote Presentation

09.00 IADC Advanced Rig Technology (ART) Committee Update
   • Terry Loftis, ART Chairman: Director Engineering, Transocean
   • Robin Macmillan, ART Vice Chairman: Senior Vice President Business Development, National Oilwell Varco
   • Trenton Martin, Subcommittee Chairman: Drilling Control Systems; Engineering Manager – DP, Instrumentation & Controls, Transocean
   • Rex Bomer, Subcommittee Vice Chairman: BOP Controls; Product Line Manager – BOP Controls, Cameron

10.00 Coffee Break & Open Exhibition
   Sponsored by DRILCO
   Winter Garden

10.30 Making Equipment Smarter
   Session Chair: Guido van den Bos, Vice President for Europe & Sub-Saharan Africa Operations, National Oilwell Varco

   Applying Process Automation in the Drilling Industry
   Benjamin Facker, Director NOVOS Strategy and Support, National Oilwell Varco

   Saving Operator Cost By Integrated Development of Down-hole and Surface Drilling Equipment
   Geertjan van Og, Managing Director, Pieter van Duijndijk, Huisman Well Technology

   The Challenges, Consequences and Opportunities of Making Equipment Smarter
   Dr. Andrew Jaffrey, Director of Technology & Innovation, Cameron

12.00 Luncheon & Open Exhibition
   Sponsored by Atlas Copco
   St. Johns & Volmer Rooms

13.30 Industry Response Panel
   Moderator: Terry Loftis, IADC ART Committee Chairman; Director Engineering, Transocean

   The current decline in oil & gas exploration activity challenges all participants in this market sector; operators, drilling contractors, service companies, manufacturers and affiliated consultants alike. Operational efficiency is not necessarily shared equally, but all participants are focused on delivering value-added performance to their respective customers and the industry at large will benefit. This session will utilize interactive media to focus the audience on a few key technical initiatives and allow a distinguished panel of industry experts to discuss and debate their perspectives on the benefits to the oil & gas market.

   • Frederik Smith, Chief Technical Officer, Maersk Drilling
   • Andrew Bruce, Chief Operations Officer, MHWirth
Coffee Break & Open Exhibition
Sponsored by DRILCO
Winter Garden

Innovation in Drilling Equipment
Session Chair: Joop Roodenburg, CEO, Huisman
Robotics on the Drill Floor
Dieter Wijning, Product Manager Drilling, Huisman Equipment BV
Condition Based Maintenance – A Standard Industry Need
Jona Williams, Product Manager, National Oilwell Varco
Advancements in Solids Control Technology
Samuel Bridges, Product Line Manager, Derrick Equipment Company

Welcome, Introduction & Safety Briefing
Terry Loftis, IADC ART Committee Chairman; Director Engineering, Transocean
Grand Ballroom
Keynote Presentation
Markus Plankensteiner, Director Industrial Solutions, & Mirko Jakovljevic, Solution Architect Integrated Critical Systems, TTTech Computertechnik AG

Drilling Systems Automation Roadmap Update – Affiliated to IADC
Robin Macmillan, Senior Vice President Business Development, National Oilwell Varco

Plug & Abandonment
Session Chair: Gavin Humphreys, New Business & Technology Manager, Stena Drilling
Plug & Abandonment Using Plasma-based Tool
Tomas Kristofic, Chief Technical Officer, Matus Gajdos, Slavomir Jankovic, Igor Kocis, Gabriel Horvath, Tomas Kristofic, Chief Technical Officer, Matus Gajdos, Slavomir Jankovic, Igor Kocis, Gabriel Horvath, GA Drilling

Hoisting & Pipe Handling
Session Chair: Keith Ross, Senior Account Leader, ESSA and MENA, Halliburton
Cylinder Rigs: Time to Evaluate
Richard Verhoef, Product Line Director, Helge Kjeksvik, National Oilwell Varco, Barry Rainy, Stena Drilling
Direct Acting Hoisting System
Harald Langenes, Project Layout Manager, National Oilwell Varco
Advances in Land Pipe Handling – Increasing Safety, Efficiency And Automation
Joel Heinen, Product Line Manager Land, Dylan Rigby, National Oilwell Varco, A. Koether, G. Keogh, G. Hudson, Cactus Drilling Company LLC

Luncheon & Open Exhibition
St. Johns and Volmer Rooms

EXHIBITORS
Be sure to visit the conference exhibitors. These companies will have representatives available to answer questions and provide information.

CONFERENCE PROGRAM COMMITTEE
A special thanks to the following committee members for their support in organizing the conference:

Coffee Break & Open Exhibition
Winter Garden

Welcome Reception & Open Exhibition
Winter Garden

WEDNESDAY, 14 OCTOBER 2015
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Winter Garden

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Terry Loftis, IADC ART Committee Chairman; Director Engineering, Transocean
Grand Ballroom

08.50 Keynote Presentation
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10.00 Coffee Break & Open Exhibition
Winter Garden

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12.00 Luncheon & Open Exhibition
St. Johns and Volmer Rooms

13.30 Advanced Rig Technology: What is Missing?
Session Chair: Robin Macmillan, Senior Vice President Business Development, National Oilwell Varco
Equipment manufacturers, service companies and drilling contractors all contribute to the development of advanced rig technology. Are they on the right track? What is it that operators need to enhance their safety, efficiency and productivity of operations that the industry may not be currently delivering or working on? A team of senior managers, representing I.O.C.’s, N.O.C.’s, and independents, will give us their views on the advanced rig technology their major industry partners should be focusing on today, to improve what we can achieve together tomorrow.

14.30 Workshop Review: Technologies to Achieve Operational Efficiency in a Challenging Market
Robin Macmillan, Senior Vice President Business Development, National Oilwell Varco

15.00 Coffee Break & Open Exhibition
Winter Garden

15.30 Software Innovations That Drive Drilling Efficiency
Session Chair: Gregers Kudsk, Vice President, Maersk Drilling
Automating Surface Drilling Machines with Downhole Modeling Preserves Smooth, Stable Drilling State
Frode Efteland, Product Line Manager, Rui Pan, National Oilwell Varco
Frontiers in Computer Vision for Drilling
Kenneth Morton, Chief Scientist, Pete Torrione, Mark Hibbard, CoVar Applied Technologies
Next Generation Hardware-in-the-Loop Simulation Enables Advanced Testing of Offshore Hydraulic Systems
Witold Pawlus, AC Drive Responsible, Ivar C. Inouva, Søren Øydna, MHWirth, Torstein K. Wroldsen, Geir Hovland, University of Agder

17.00 Adjournment
Terry Loftis, IADC ART Committee Chairman; Director Engineering, Transocean