

Welcome

to the 47th ISCWSA / SPE Wellbore Positioning
Technical Section General Meeting

47th General Meeting
April 11th, 2018
Inverness, Scotland



Our Mission

"The primary aim of this group is to produce and maintain standards for the industry relating to wellbore survey accuracy. To set standards for terminology and accuracy specifications. Establish a standard framework for modelling and validation of tool performance. Raise awareness & understanding of wellbore survey accuracy issues across the industry."

Jonathan Lightfoot

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- 2018-19 ISCWSA Chair Person
- Occidental Oil & Gas Corporation (Houston, TX)
- Job Title: Drilling Engineering Consultant
- Role: Global Directional Drilling Specialist
- University of Louisiana at Lafayette,
 - Mechanical Engineer

ISCWSA Elected Committee Members

- [Jonathan Lightfoot](#), Occidental Oil and Gas Corporation: Chair Person
- [Ross Lowdon](#), Schlumberger: Program Chair
- [Chad Hanak](#), Superior QC: Secretary
- [Robert Wylie](#), xnDrilling: Treasurer
- [Phil Harbidge](#), PathControl: Webmaster
- [Steve Sawaryn](#), Independent Consultant: Collision Avoidance Chair
- [Andy McGregor](#), AJ Consulting Ltd: Director at Large and Error Model Chair
- [Carol Mann](#), Dynamic Graphics Inc: Director at Large and Education Chair
- [Heather Vannoy](#), EOG Resources: Director at Large
- [Adrian Ledroz](#), Gyrodata: Director at Large

Simple Meeting Ground Rules

- Please Silence Your Mobile Phones
- Brief Questions After Presentations
- One Question at a Time
- One Person Speaks Other Listen
- No Side Conversations
- Be Courteous & Step Out if Needed
- Presentations will be Posted on the ISCWSA Website

Program Chair

Technical Program & Agenda Review

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Wellbore Positioning Technical Section



The Industry Steering Committee on Wellbore
Survey Accuracy (ISCWSA)

47th General Meeting - April 11, 2018

Activity	Presenter(s)	Title	From	To
Thursday Morning Registration			8:00	8:30
Introduction	Jonathan Lightfoot (Occidental Oil & Gas Corp.) ISCWSA Chair	Welcome, & Introduction	8:30	8:40
Program Agenda	Ross Lowden (Schlumberger) Program Chair	Schedule and Program Review	8:40	8:50
Keynote Presentation	Roger Esketh	A new world of surveying	8:50	9:30
Sub-Committee Update	Steve Sawaryn (Consultant)	Sub-Committee Activity Report: <i>Collision Avoidance</i>	9:30	9:45
Coffee Break Sponsored by:		<u>AJC Ltd</u>	9:45	10:05
Technical Presentation	Drillers Way-point Depth determination - field results	Harald Bolt	10:05	10:35
Technical Presentation	Continuous Wellbore Path Estimation Using Multiple Integrated MEMS Sensors	Huan Liu	10:35	11:05
Technical Presentation	Tool Face Efficiency, Virtual Surveys, and Positional Uncertainty - an introductory discussion	Robert Wylie	11:05	11:35
Sub-Committee Update	Roger Goobie, (BP)	Sub-Committee Activity Report: <i>Well Intercept</i>	11:35	11:50
Lunch Co-Sponsored by (TBD)		<u>AJC Ltd</u>	11:50	12:55

Lunch Demonstration	Making absolute magnetic field vector observations – a demo	Simon Flower	12:30	13:05
Pub Quiz			14:50	15:20
Technical Presentation	Survey QC, Decision Making, and a Modest Proposal for Error Models	Marc Willerth	13:05	13:35
Technical Presentation	Holistic approach to survey error budgets	Martin Rayson	13:35	14:05
Technical Presentation	Gyrocompassing and Mass Unbalance	Ben Hawkinson	14:05	14:35
Sub-Committee Update	Carol Mann (Dynamic Graphics, Inc.)	Sub-committee Activity Report: <i>Education</i>	14:35	14:50
Sub-Committee Update	Pete Clark (Chevron)	Sub-Committee Activity Report: <i>Operator Wellbore Survey Group (OWSG) & Update on API RP78</i>	15:20	15:35
Coffee Break Sponsored by:		AJC Ltd	15:35	15:55
Sub-Committee Update	Andy McGregor (Angus Jamieson Consulting, Ltd.)	<i>Sub-committee activity Report: Error Model Maintenance</i>	15:55	16:10
Administration Report	Robert Wylie (Consultant)	<i>Treasurer's Report</i>	16:10	16:20
Administration Report	Phil Harbidge (PathControl)	<i>Webmaster's Report</i>	16:20	16:30
Administration Report	Chad Hanak (Superior QC)	<i>Secretary's Report</i>	16:30	16:40
Administration Report	Jonathan Lightfoot (Occidental Oil & Gas Corp.)	<i>Closing Statement from the Chair</i>	16:40	16:50
Meeting Adjourn / Wrap-up			16:50	17:00

Special Thanks to our Meeting Sponsors

Meeting, Lunch & Coffee Break Sponsor Sponsor:



Networking Dinner:



Networking Social (1):



Networking Social (2):



ISCWSA NETWORKING EVENT

SPONSORED BY **MAGVAR**

- WHERE: GLENMORISTON TOWNHOUSE HOTEL
- ADDRESS: 20 NESS BANK, INVERNESS, IV2 4SF
- WHEN: WEDNESDAY APRIL 11TH @ 5:30PM - 8:00PM



REFRESHMENTS, MEAT, FISH, VEGGIES
AND DESSERTS WILL BE SERVED

PLEASE JOIN US IN CELEBRATING THE ADVANCEMENTS IN
DRILLING TECHNOLOGY AND TO EXPLORE NEW CONNECTIONS