

# 44<sup>th</sup> General Meeting Technical Program

**Jonathan Lightfoot**

**SPE WPTS / ISCWSA Program Chair (2016-17)**

1



# Speaker Information

- **Jonathan Lightfoot**
- Global Directional Drilling Specialist
- Occidental Oil & Gas Corp.
- Houston Texas



# 44<sup>th</sup> Meeting Program Overview

## Program Overview

### Morning Session

Activity	Presenter(s)	Title	From	To
<b>Introduction</b>	Son Pham (ConocoPhillips) - Chair	Welcome, Introduction, and announcement of SPE WPTS (ISCWSA) Officer Nominations	8:30	8:35
<b>Keynote Presentation</b>	Len Duncan (MagVar)	Wellbore Positioning - Past, Present and Future; What's Next?	8:40	9:10
<b>Technical Presentation</b>	Ciaran D. Beggan, PhD (British Geological Survey)	Swarm Satellite Data to improve Global Geomagnetic Reference Modelling	9:10	9:45
<b>Sub-Committee Update</b>	Steve Sawaryn	Sub-Committee Activity Report: <b>Collision Avoidance</b>	9:45	10:15
<b>Coffee Break</b>			<b>10:15</b>	<b>10:30</b>

#### Technical Poster Session

Livia Kathleen Kother (Denmark Technical University, Space Department & Teknova AS)

Nordic Geomagnetic Model for use in surveying of North Sea deviated wells for petroleum production using the Magnetic Monopole Method.

**Poster on Display During Breaks**



# 44<sup>th</sup> Meeting Program Overview

## Program Overview

### Mid-Morning & Lunch Session

<b>Technical Presentation</b>	Jon Bang (Gyrodata)	New Instrument Performance Models for Combined Wellbore Surveys Facilitate Optimal Use of Survey Information.	10:30	11:00
<b>Technical Presentation</b>	Giorgio Pattarini, PhD (University of Stavanger)	Directional Drilling Measurement Errors Caused by Drilling Fluid Constituents. Mud contamination from iron contaminants primarily from casing and string wear modifies the Earth's magnetic field leading to MWD directional sensor error and increased uncertainty.	11:00	11:30
<b>Technical Presentation</b>	Patrick Alken (NOAA/NCEI)	New Advances in Geomagnetic Field Modeling. Advanced Modeling of the ionospheric fields, as well as improved modeling of the magnetospheric current sources. Introduction to a new Global Compilation of lithospheric anomaly fields.	11:30	12:00
<b>Lunch - Sponsored by Scientific Drilling International</b>		<a href="http://scientificdrilling.com/">http://scientificdrilling.com/</a>	<b>12:00</b>	<b>13:00</b>
<b>Guest Speaker</b>	Giles Hammond, PhD (School of Physics and Astronomy - University of Glasgow)	Gravitational Physics: a tour of Precision Measurement, Astronomy and Industrial Applications	<b>13:00</b>	<b>13:45</b>

**Guest Speaker – Giles Hammond, PhD**

**School of Physics and Astronomy – University of Glasgow**



# 44<sup>th</sup> Meeting Program Overview

## Program Overview

### Early Afternoon Session

<b>Sub-Committee Update</b>	Andy McGregor (Tech21)	Sub-committee activity Report: <b>Error Model</b>	13:45	14:00
<b>Election</b>	Chad Hanak (Secretary) Son Pham (Chair)	Elections for Officers Director's at Large, Treasurer, Secretary, Webmaster Contact Chad Hanak or any other officer if you are interested in a running for a position.	14:00	14:20
<b>Sub-Committee Update</b>	Pete Clark (Chevron)	Sub-Committee Activity Report: <b>Operator Wellbore Survey Group (OWSG) &amp; Update on API RP78</b>	14:20	14:40
<b>Technical Presentation</b>	Angus Jamieson (University of the Highlands and Islands)	A New Approach to MWD Calibration to Improve Accuracy and Reduce Calibration Time.	14:40	15:20
<b>Coffee Break</b>			<b>15:20</b>	<b>15:30</b>
<b>Sub-Committee Update</b>	Carol Mann (Dynamic Graphics, Inc.)	Sub-committee Activity Report: <b>Education</b>	15:30	15:45

5



# 44<sup>th</sup> Meeting Program Overview

## Program Overview

### Late Afternoon Session

<b>Sub-Committee Update</b>	Chad Hanak, PhD (Superior QC)	Sub-Committee Activity Report: <b>Well Intercept</b>	15:45	16:00
<b>Technical Presentation</b>	Chad Hanak, PhD (Superior QC)	Increasing the ability to drill horizontal East/West wells using Single and Multi-Station Corrections. Using probability theory and smart algorithms to completely eliminate the common practice of restrictive exclusion zones while still ensuring safe practices.	16:00	16:30
<b>Administration</b>	Phil Harbidge (Schlumberger)	<b>Webmaster's Report</b>	16:30	16:40
<b>Administration</b>	Phil Harbidge (Schlumberger)	<b>Treasurer's Report</b>	16:40	16:50
<b>Administration</b>	Son Pham (ConocoPhillips)	<b>Closing Statement from the Chair</b>	16:50	17:00
<b>Meeting Adjourn / Wrap-up</b>			<b>17:00</b>	<b>17:15</b>

6



- **Session Presentations**
  - **Slides & Audio shared with Registered Remote Attendees (GoToMeeting)**
  - **Presentations (Slides & Audio) will be Recorded for Later Viewing**
  - **Only Registered Attendees will have access to Audio Presentation Videos**
  - **PDF files of Presentations will be uploaded and made available to the ISCWSA Website ([www.iscwsa.net](http://www.iscwsa.net)) will host the videos on a secure ISCWSA Website**
- **Halliburton will Host the presentations on the iEnergy Community Website [www.iEnergy.Community/ISCWSA](http://www.iEnergy.Community/ISCWSA) - (Attendees must Register to Gain Access)**



# iEnergy – Webinar Sponsor / Host

<http://www.ienergy.community/ISCWSA>

**iEnergy**<sup>®</sup>

**iEnergy**<sup>®</sup>

Jonathan Lightfoot Logout Contact Us My Profile

Input your search... 

Discover

Collaborate

Learn

**Connect**

Support

LIFE 2016

Go to Landmark

Jonathan Lightfoot

Logout

Contact Us

My Profile

Input your search... 

Discover

Collaborate

Learn

**Connect**

Support

LIFE 2016

Go to Landmark

Connect



[Home](#) » [Connect](#) » [ISCWSA](#) » [ISCWSA Connect](#)

## Upcoming Events:

SPE WPTS 44th General Meeting in Glasgow.

44<sup>th</sup> General Meeting  
September 22<sup>nd</sup>, 2016  
Glasgow, Scotland, UK



Wellbore Positioning Technical Section



The Industry Steering Committee on Wellbore  
Survey Accuracy (ISCWSA)

# Meeting Ground Rules

## Be Fully Attentive and Courteous to others near you

- Be on Time
- One Conversation at a Time
- No Excessive Talking or Disruptive Behavior
- Hold Questions to the End
- No Cell Phones
- No Excessive Texting
- No Computers (Except for Taking Notes)

Agreement – Be Fully Attentive...

No PDAs      No Side Conversations


➔





➔




21