



Educational Sub-Committee Activity Report

Carol Eve Mann

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Speaker Bio

- Carol Mann
 - Dynamic Graphics
 - WellArchitect
Software Product
Manager



The Education Subcommittee

What We Are...

- An Advisory, Awareness Committee

What We Do...

- Raise Awareness through Workshops, and....

What We're Not...

- In the business of running a school

Educational Subcommittee Update

- 2018 Distinguished Lecturer Nomination
 - Steve Sawaryn

Distinguished Lecturer

Each year, SPE selects a group of professionals, nominated by their peers, to share their knowledge and expertise with SPE members through visits to local sections.

ATWs (Applied Technical Workshops)

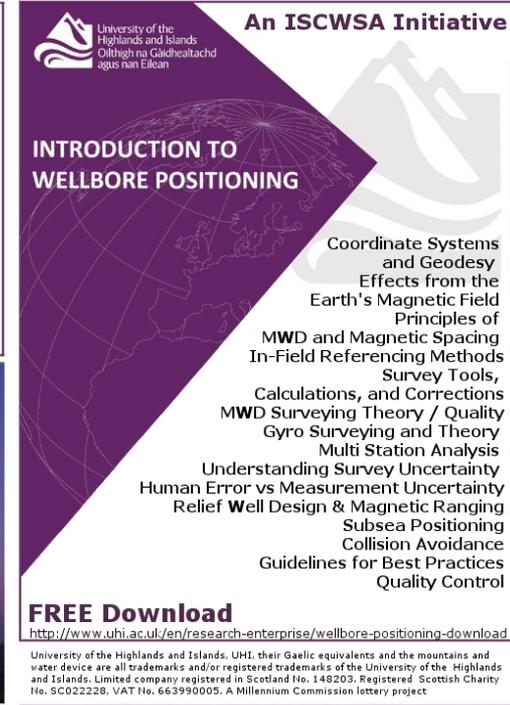
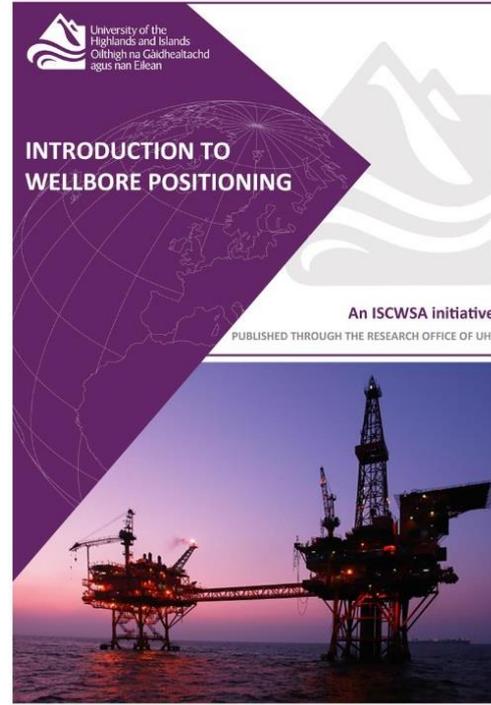
- Collision Avoidance / Well Interception
 - Possibly US 2018
 - Evaluating Middle East
- Reserves Change with Positional Uncertainty
 - Multidisciplinary
- Money, Money, Money (oh, yes, and surveying)
 - Target Upper Management
 - ½ - 1 day
 - ***We'll be asking***

Educational Subcommittee Update

- Topical Luncheons
 - SPE ATCE 2016 Dubai
 - ADIPEC 2017 Abu Dhabi
 - SPE ATCE 2017 San Antonio
 - Russia?

Educational Resources

- E-book
 - Flyer – SPE Book Store
 - 20,000+ Downloads
 - 2 New Chapters
 - No Kindle....



45th General Meeting
March 17th, 2017
The Hague, The Netherlands

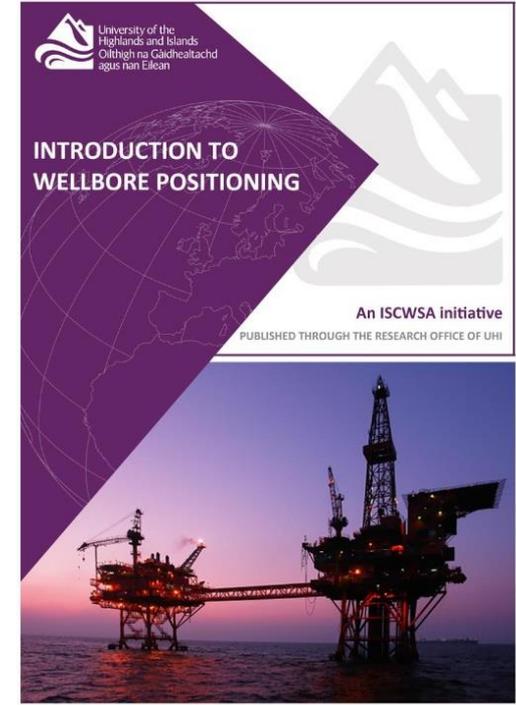
SPE Wellbore Positioning Technical Section



The Industry Steering Committee on Wellbore
Survey Accuracy (ISCWSA)

University of Highlands and Islands

- UHI Wellbore Surveying Competency Certification
 - Based on ISCWSA Recommendations
 - 50 Students
- UHI Summer School
 - ***Sign up now!***
 - ***Don't be disappointed!***



Raising Awareness

- Signature

<http://www.iscwsa.net/>

<http://www.uhi.ac.uk/en/research-enterprise/wellbore-positioning-download>

<http://www.uhi.ac.uk/en/research-enterprise/res-themes/energy/surveying-video>

- Logo



Raising Awareness

- PowerPoints
 - 1-5 Slides
 - Full Presentation
- Regional Presentations
 - ***We'll be asking***
- Other Societies?
 - ***We'll be asking***
- JPT Advertising

What is ISCWSA?

The Industry Steering Committee on Wellbore Survey Accuracy

SPE WPTS – Wellbore Positioning Technical Section

Primary aim* is:

- Produce and maintain standards relating to wellbore survey accuracy
- Set terminology and accuracy specification standards
- Establish a standard framework for the modelling and validation of tool performance
- Raise awareness & understanding of wellbore survey accuracy

*Blatantly plagiarized from the ISWSA Mission



SPE Wellbore Positioning Technical Section



Raising Awareness

- Webinars / Videos
 - June 2017
 - YouTube
 - Based on e-Book Topics
 - 2-3 Minutes
- Principles of MWD and Magnetic Spacing
- In-Field Referencing Methods
- Survey Tools, Calculations, and Corrections
- MWD and Gyro Surveying Theory / Quality
- Human Error vs Measurement Uncertainty
- Understanding Survey Uncertainty
- Collision Avoidance

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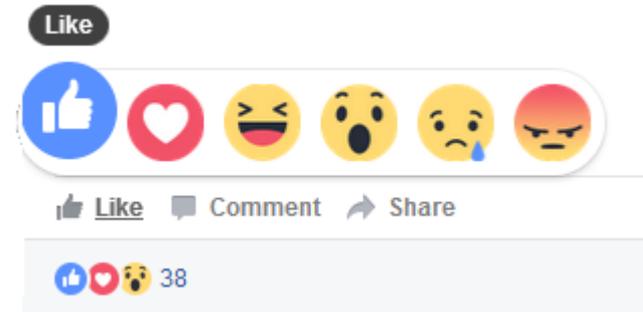
We Are Asking...for your help

- Which way is North ?
- What is the Earth's Magnetic Field ?
- How does MWD work ?
- What is IFR?
- How does a North Seeking Gyro Work ?
- How does a MEMs gyro work ?
- How does a Ring Laser Gyro Work ?
- How do you calibrate MWD ?
- How do you Calibrate Gyros ?
- How do we avoid collision
- How does a travelling cylinder work ?
- What is an Ellipse of Uncertainty ?
- What is an ISCWSA Error Model ?
- How does Sag Correction Help ?
- What is the Stockhausen Effect ?
- Are Depths always accurate ?
- What are the common mistakes ?
- Can historic data be QC'd
- What is a relief Well ?
- How does magnetic Ranging Work ?

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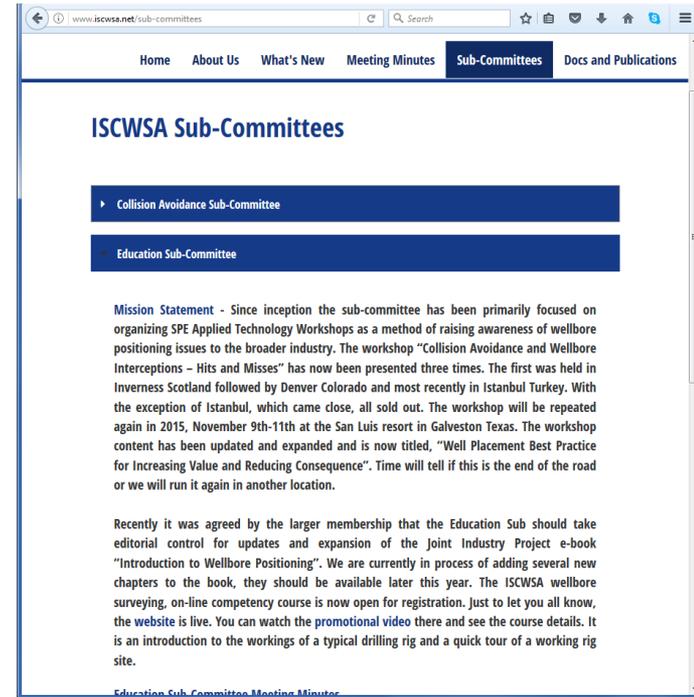
Raising Awareness

- LinkedIn
 - Participate
 - Like (!) / Comment
- Twitter
- Your Company's Feed?
- Web App?



Website

- ISCWSA Website
 - Searching
 - Categorizing
- Education Webpage
 - Available Educational Resources
 - Known Courses?
 - Links / Webinars / Videos
 - Testimonials
 - Self Assessment



The Education Subcommittee

- Special Thanks to:
 - Steve Mullin
 - Angus Jamieson
 - Robert Wylie
 - Mike Long
- Thank you!