



# Educational Subcommittee Activity Report

Carol Eve Mann

1

# 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)

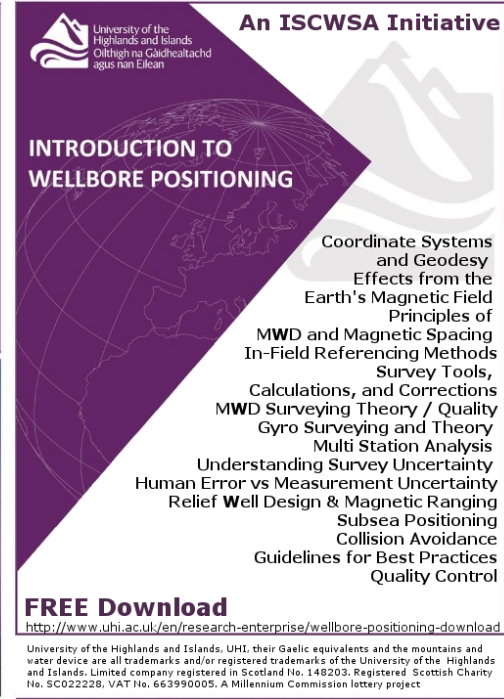
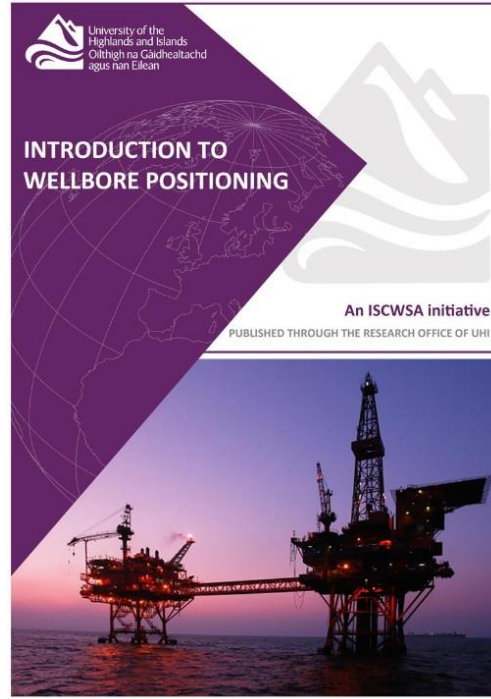
- Collision Avoidance / Well Interception
  - Possibly US 2018
  - Evaluating Middle East
- Reserves Change with Positional Uncertainty
  - Multidisciplinary
- Money, Money, Money (oh, yes, and surveying)
  - Target Upper Management
  - ½ - 1 day
  - ***We'll be asking***

# 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....



45<sup>th</sup> General Meeting  
March 17<sup>th</sup>, 2017  
The Hague, The Netherlands

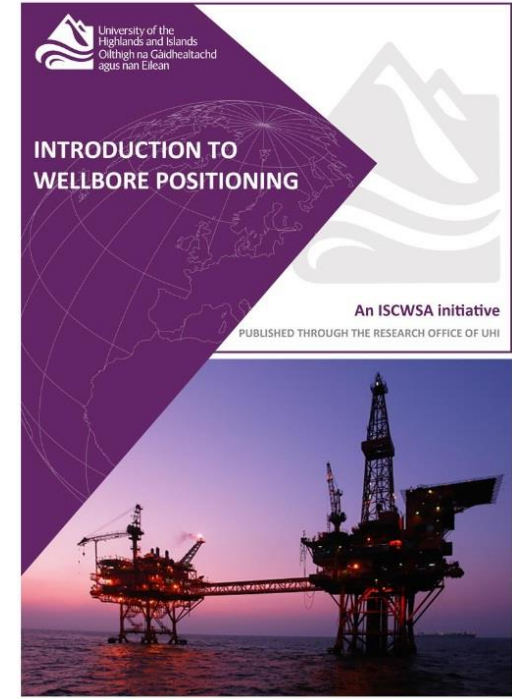
SPE Wellbore Positioning Technical Section



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



The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

# 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

11

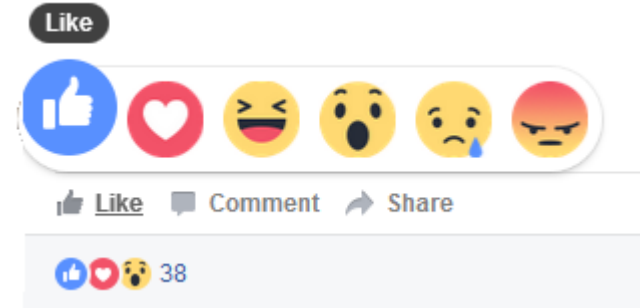
# We Are Asking...for your help

- 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 ?

12

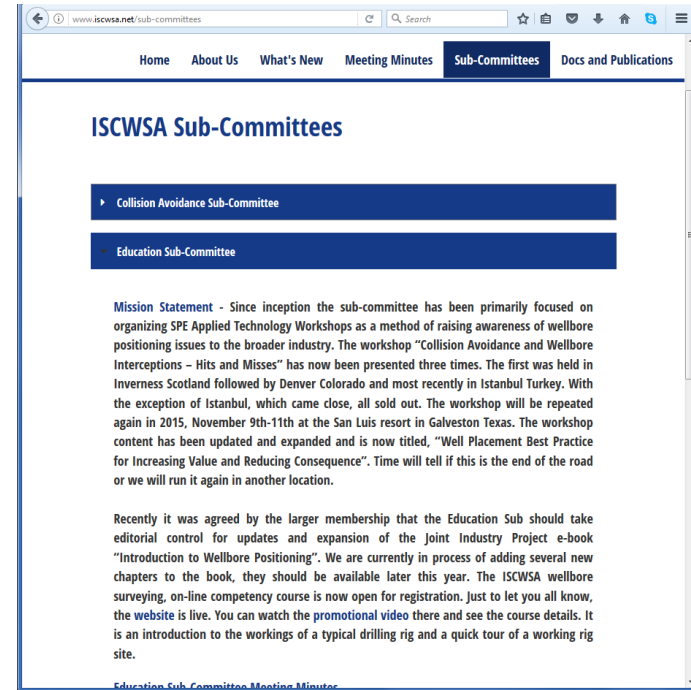
# Raising Awareness

- 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!