

Education Subcommittee Update

Chair: Mahmoud ElGizawy

SLB

Stand-in Chair: Carol Mann

Dynamic Graphics, Inc.



Education SC Chairperson

Mahmoud ElGizawy

- SLB Global Surveying Domain Manager
- PhD & MSc in Geomatics Engineering, U. of Calgary
- 25 years in positioning and navigation (20 years in wellbore positioning)
- · Based in Bucharest, Romania

Carol Mann

- WellArchitect Product Manager, Dynamic Graphics, Inc.
- MS Geophysics, Stanford University
- 22 years in wellbore positioning software
- 37 years in O&G modeling / visualization software







Mission Statement

 ISCWSA Education Subcommittee is an advisory body dedicated to raising awareness of wellbore positioning practices and challenges within the drilling industry through online courses, workshops, webinars, eBooks, public lectures, and other media.



Professional Awareness

- SPE Live and Webinars
- Distinguished Lecture
- Hits and Misses proposal target young professional
- ISCWSA Course Scholarship
- ISCWSA Powerpoint Slides

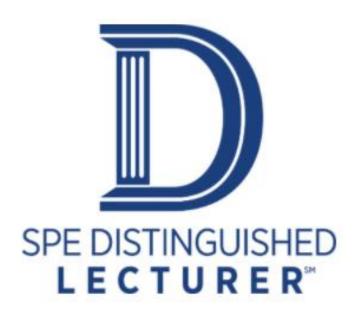
SPE Webinars / SPE Live 2025

- One Webinar and One SPE Live Planned for 2025
- 14-July-2025 SPE Webinar
 - Looking Back, Looking Now, Looking Forward
 - John de Wardt (Speaker)
 - David Gibson (Moderator)
- 5-Nov-2025 SPE Live
 - Georgy Rassadkin on Ranging (Speaker)
 - David Gibson (Moderator)
- Action item to contact SPE for 2026 dates
- Other topics??? Contact Mahmoud!





Distinguished Lecturer Program



Jonathan Lightfoot (2024-2025)

Recommended Practice for Safe Separation, Surveying, and Wellbore Positioning



Distinguished Lecturer Program



Adrian Ledroz (2025-2026)

High-definition Wellbore Trajectory – Drilling, Completion, and Production Considerations

Dec 04 - 09, 2025 South Korea / Philippines / Indonesia / Indonesia

Feb 25 - Mar 04, 2026 Venezuela / Venezuela / Colombia / Colombia / Colombia

Apr 21 - 29, 2026 Romania / Spain / Portugal / Angola / Uganda

Hitting Targets / Avoiding Hazards ATW

- SPE 2.5-day Advanced Technical Workshop
- Delivered by industry SMEs on Wellbore Positioning
- Tentative Program
 - Introduction to WP
 - Directional database
 - Frror models
 - Survey correction
 - Collision avoidance
 - Well interception and its applications
- Organizer Volunteers: Robert Wylie and Carol Mann

- Revised name from "Collision Avoidance and Well Interception," aka "Hits and Misses"
- Previous Discussions:
 - Consider 1-day only
 - Ross and Benny volunteered at speakers
- Update: Reached out to SPWLA to target subsurface population
- Coordinate with SPE



The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

ISCWSA Course Scholarship

- Webpage is published
- Access via link on Education SC page

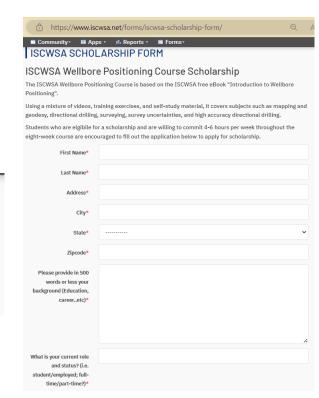
ISCWSA Wellbore Positioning Course Scholarship

Students who are elgibile for a scholarship and are willing to commit 4-6 hours per week throughout the eight-week course are encouraged to fill out the application below to apply for scholarship.

ABOUT THE COURSE

APPLY NOW

- Better advertising (LinkedIn / Facebook)
- Share with your recruiters





Reach out to professionals and young professionals

Please forward SPE WPTS/ISCWSA emails to:

- Your colleagues
- Your colleges
- Attend virtually

Work with the new Young Professional Liaison



Giving a talk related to wellbore positioning?

Mention the ISCWSA

- Utilize our slide deck:
 - What
 - Who
 - Meetings
 - Activities
 - Links

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





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Educational

- eBook Update
- ISCWSA Course Update





eBooks Update

Introduction to WBP

- New Revision draft is complete
- Target to be published Q4 202
- Cover update (remove UHI) / ne Vesic
- Each section now has a 'Points to der' addition to the section with additional comments and some key takeaways from the section
- WPTS AC Update
- Error model section simplified reference (F) C live document
- Angus and Mahmou sep, and advanced material move a tory materials
- WBP eBook Web versice say able (considering flippingbook.com)

WSA hosting/copy right of eBooks Introduction to WBP ell Interception Survey Callor (Progress) DUCTION TO forgotten Earth science > 1.3 Principles of Cartography - It's a 2.1 Ellipsoids and datum 3. True North, Grid Norti Convergence Summary 8

HOSTED AND PUBLISHED BY

INDUSTRY STEERING COMMITTEE ON WELLBORE SURVEY ACCURACY

4. The Earth's Magnetic Fiel

4.3 Magnetic Observator

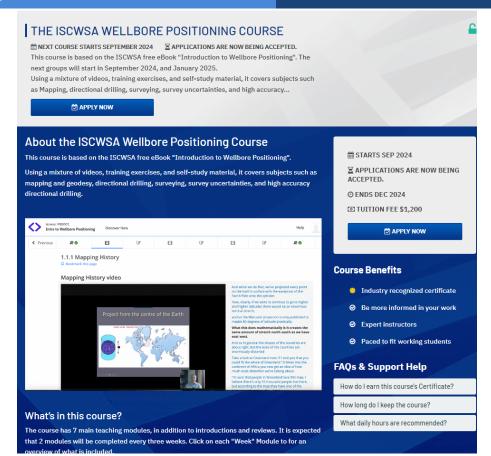
5 Principles of MWD and Manne

Magnetic Field

The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

Course Update

- 146 graduates to date from:
 - 6 Continents
 - 18 Countries
 - Current cohort #11: 17 students Next up: Cohort #12 Jan 2026
- Course update is well under way, with a couple more Units to complete for later weeks in the course.





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- eBook Update
- ISCWSA Course Update

Recognition & Awards

 ISCWSA long time contributors to error models, CA and others



Recognition of contributors to ISCWSA (error models, etc.)

ISCWSA Hall of Fame
ISCWSA acknowldgement of long time contributors
HALL OF FAME



- "Hall of fame" page is live, but...
- Work-in-progress
- Can be accessed via Education SC page
- Will present to board for final approval of the current list



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Student Awareness

- WPTS Directional Drilling Competition proposal
- PetroBowl
- Student Chapters Engagement

62nd General Meeting 24th & 25th of March 2025 Anchorage, AK



Wellbore Positioning Technical Section



The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

WPTS Directional Drilling Competition Live Webpage

Reach out toGeosteering WorldCup

DIGITAL DIRECTIONAL DRILLING COMPETITION

COMPETITION STARTS 1-APR-2025

You're invited to participate in an exciting Virtual Directional Drilling Competition hosted by ISCWSA, where your skills will be put to the test in a simulated drilling environment! Using directional drilling simulation software, you'll navigate through challenging well path and showcase your expertise in directional drilling.

ENTER THE COMPETITION



Put Your Skills to the Test

Put your skills to the test in a simulated drilling environment! Using directional drilling simulation software, you'll navigate through challenging well path and showcase your expertise in directional drilling. The goal? To drill the well in the least number of runs and as quickly as possible! Compete against top talents, sharpen your precision, and claim the title of the fastest and most efficient virtual directional driller. Don't miss this chance to prove your mastery—join us and take on the challenge!

M STARTS 1-APR-2025

ENTRIES ARE NOW BEING ACCEPTED.

② ENDS 30-APRIL-2025

WINNERS ANNOUNCED 31-MAY-2025

ENTER NOW

Winner Prizes

- First Prize \$ 1000
- Second Prize \$ 750



PetroBowl

PetroBowl® Competition

The PetroBowl[®] competition matches SPE student chapter teams against one another in a fast-paced quiz competition covering technical and nontechnical aspects of the oil and gas industry.

https://www.spe.org/en/students/petrobowl/

- Connect with PetroBowl competition team to include questions on WBS
- Looking for contributions
- Submit your Wellbore Positioning questions via PetroBowl link

ISCWSA - PetroBowl Q&A Submittal

The PetroBowl is an international competition hosted by the SPE that pits student chapter teams against each other in a series of quick-fire Q&A rounds related to the Oil & Gas industry. This is a great opportunity for the ISCWSA to continue spreading the message of the importance of wellbore positioning.

https://www.spe.org/en/students/petrobowl/

Acknowledgement

- Education SC members are acknowledged for their participation and contribution to the SC activities
- Participants in this week's meeting:

- Carol Mann, Dynamic Graphics
- Ryan Kirby, SQC
- Mike Long, Round LAB
- o Tim Paton, SQC
- Josh Albright, SQC
- o Austin Pile, SDI
- Ken Miller, Erdos Miller
- David Erdos, Erdos Miller
- Jocelyn Comte,
 PathControl

- Malloree Schurr, Al Driller
- o Joel Dunn, Al Driller
- Robert Wylie, Xn Drilling
- Matt Weber, Shell
- o Online:
- Harald Bolt, Depth Solutions
- Knut Ness, ADNOC
- Nestor Eduardo Ruiz