

Education Subcommittee Update

Chair: Mahmoud ElGizawy

K&M Technology Group

SLB

Scribe: Carol Mann

Dynamic Graphics, Inc.



Education SC Chairperson

Mahmoud ElGizawy



- K&M Technology Group, SLB
- 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.









Mission Statement

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

Activities

Professional and Young Professional Awareness

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



SPE Webinars / SPE Live 2025

One Webinar and One SPF 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
 - Title, etc. TBD
- Other ideas??? Contact Mahmoud!



Distinguished Lecturer Program



Jonathan Lightfoot (2024-2025)

Recommended Practice for Safe Separation, Surveying, and Wellbore **Positioning**

Jonathan Lightfoot			3/20/2024
Thu Sep 05, 2024	11:00 AM	Alaska Section: Anchorage, Alaska	In Person
Mon Jan 13, 2025 Wed Jan 15, 2025 Thu Jan 16, 2025	2:00 PM	Beijing China Section: Beijing, Peoples Republic of China Philippine Section: Manila, Philippines Cambodia Section: Phnom Penh, Cambodia	In Person In Person In Person
Tue Mar 25, 2025 Thu Mar 27, 2025		Evangeline Section: Lafayette, Louisiana Pittsburgh Section: Pittsburgh, Pennsylvania	In Person In Person 6



Distinguished Lecturer Program



Adrian Ledroz (2025-2026)

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

Schedule TBD



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
 - Error 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

ISCWSA Course Scholarship Proposal...

- ISCWSA Scholarship is open to take the ISCWSA course and wave the \$1200 tuition fee
- Sponsored by ISCWSA
- Possibly more than one recipient
- Recipient is announced before each cohort
- Selection committee volunteers: Suzanne Hawkins and M. Long to receive applications and decide on the scholarship

- Name:
- Contact email:
- Location:
- Please give us an information about your background (Education, career, etc.)
- · What is your current role and status?
- Why do you want to attend this course? What do you think you will gain from this course?
- Any previous exposure to wellbore positioning: college / MWD / directional drilling etc.?
- What interests you about wellbore positioning?
- Why should we select you for this scholarship?
- The course is eight weeks (4-6 hrs / week) in duration.
 Are you able to devote the time required to complete the course?
- Scholarship recipient must complete the course





ISCWSA Course Scholarship Webpage

- Webpage is published
- Access via link on Edu

ISCWSA Wellbore Positioning C

Students who are elgibile for a scholarship ar eight-week course are encouraged to fill out

ABOUT THE COURSE

APPLY NOW

	the state of the s		
https://www.iso	cwsa.net/forms/iscwsa-scholarship-form/	Mhy do you want to attend	
■ Community- ■ App	S · 1 Reports · ■ Forms · _ARSHIP FORM	this course? What do you think you will gain from this course?*	
ISCWSA Wellbor	e Positioning Course Scholarship		
The ISCWSA Wellbore Positioning".	ioning Course is based on the ISCWSA free eBook "Introduction to Wellbore		
	aining exercises, and self-study material, it covers subjects such as mapping and , surveying, survey uncertainties, and high accuracy directional drilling.	Please describe any previous experience with or exposure to wellbore	
Students who are elgibile fo	r a scholarship and are willing to commit 4-6 hours per week throughout the uraged to fill out the application below to apply for scholarship.		
First Name*		positioning: i.e. College / MWD / Directional Drilling,	
Last Name*		etc?*	
Address*			A
City*		What interests you about	
State*	~	wellbore positioning?*	
Zipcode*			Scholarship recipient \qed acknowledges that the
Please provide in 500 words or less your			eight-week course must be completed to fulfill
background (Education, careeretc)*			scholarship
		Why should we select you for this scholarship?*	requirements.*
	a	'	SUBMIT
What is your current role			
and status? (i.e. student/employed; full- time/part-time?)*			4



Reach out to young professionals

Please forward SPE WPTS/ISCWSA emails to:

- Your colleagues
- Your colleges

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Educational

- eBook Update
- ISCWSA Course Update

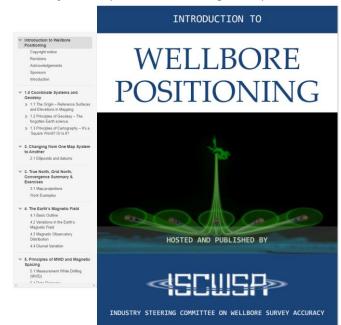


eBooks Update

Introduction to WBP

- New Revision draft is complete
- Target to be published H1 2025
- Cover update (remove UHI) / new design
- Each section now has a 'Points to Ponder' addition to the section with additional comments and some key takeaways from the section
- WPTS AC Update
- Error model section simplified reference to EM SC live document
- Angus and Mahmoud to separate Introductory materials and advanced material (move to appendices)
- WBP eBook Web version is available (considering flippingbook.com)

- ISCWSA hosting/copy right of eBooks
 - Introduction to WBP
 - Well Interception
 - Survey QC (Work-in-Progress)



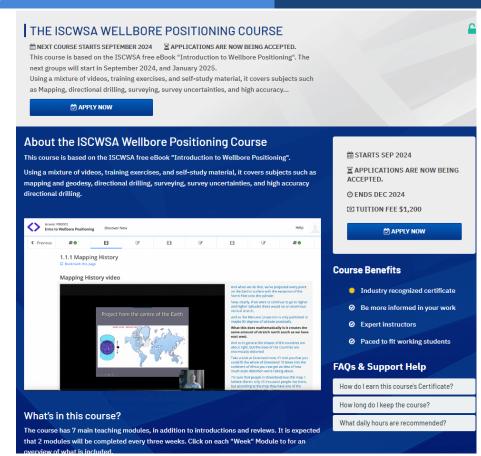
https://www.manula.com/manuals/iscwsa-ebook/iscwsa-ebook-introduction



The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

Course Update

- 141 graduates to date
 Current cohort #10: 8 students
 Cohort #11 late Mar Jun
- Server update completed
- Proposed updating of some course materials including videos, SOW to be prepared for approval by Board.
- Proposed mitigating student expenses with additional scholarships to be brought to the board meeting





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Recognition & Awards

 ISCWSA long time contributors to error models, CA and others

The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

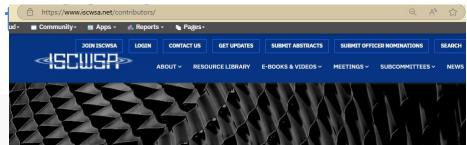
Recognition of contributors (error models, etc.)

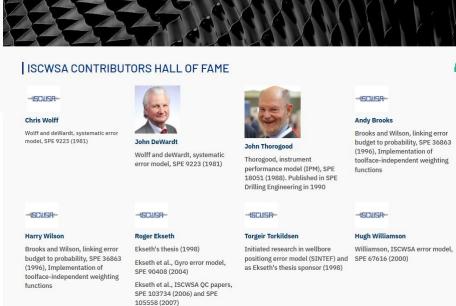
ISCWSA Hall of Fame

ISCWSA acknoweldgement of long time contributors

HALL OF FAME

- "Hall of fame" page is live, but...
- Work-in-progress
- Can be accessed via Education SC







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Student Awareness

- Drillbotics Competition (DSATS)
- WPTS Directional Drilling Competition proposal
- PetroBowl
- Student Chapters Engagement



WPTS Directional Drilling Competition

- Relief well drilling exercise (S shape well)
- Kick off the competition April 1st
- April 30th is deadline for submission
- Marking and ranking of winners in May
- May 31st winners announcement



WPTS Directional Drilling Competition is Live

Directional Drilling Competition

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.

LEARN MORE

- Link can be accessed via Education SC page
- Simulator software installation file is ready
- Pending tutorial video
- Announcement via WPTS mailing list + reach out to students' chapters

61st General Meeting 6th & 7th of March 2025 Stavanger, Norway



Wellbore Positioning Technical Section



The Industry Steering Committee on Wellbore Survey Accuracy (ISCWSA)

WPTS Directional Drilling Competition Live Webpage

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.

M 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
- Jamie Dorey, SDI
- Matt Weber, Shell
- Inge Edvardsen, Baker Hughes
- o Joel Dunn, Al Driller
- Mark Frazier, SDI
- Robert Wylie, Xn Drilling

- o Angus Jaimeson, AJCPD
- Josh Albright, SQC
- Mike Long, Round LAB
- David Erdos, Erdo Miller
- o Online:
- Mahmoud ElGizawy, K&M
- Harald Bolt, Depth Solutions
- o Ryan Quigg, Weatherford
- Knut Ness, ADNOC
- Apologies to any missed online or in-person attendees....