

Education Sub-Committee

London – 19 March 2015

Upcoming Events

- ATW - Well Placement and Intersection Best Practices: Maximizing Value, Minimizing Risk, Managing Safety. Nov 9-11
- Special One Day Event – Surface and Wellbore Positioning Errors Impact Subsurface Models and Reserve Estimates – How Much and How Serious. Nov 12
- April JPT Article

Additions to Ebook

No.	Item	Comment
1.	Model/IPM verification	New Chapter
2.	Magnetic Ranging	New Chapter
3.	Survey and Interval Effect	Additional information in the Survey Frequency Chapter, including error contribution from long survey intervals, in particular
4.	Mathematical Appendix	New Addition
5.	Expansion of MSA Chapter	Additional information on MSA QC, in particular
6.	Probability of Collision	Expansion of existing Anti-collision Techniques Chapter
7.	Quality Control	Expansion with additional information
8.	Combined Surveys	New Chapter
9.	Survey Program Design	New Chapter

Proposed Authors

	Title		Author	
▪ 1.	Model/IPM verification.	New Chapter	Adrian Ledroz	Gyrodata
▪ 2.	Magnetic Ranging.	New Chapter	Allan Gosse	Halliburton
▪ 3.	Survey Interval and Effect.	Enhancement	Angus Jamieson	UHI
▪ 4.	Mathematical Appendix.	New Addition	Angus Jamieson	
▪ 5.	Expansion of MSA Chapter.	Enhancement	Angus Jamieson	
▪ 6.	Probability of Collision.	Enhancement	Jerry Codling	Landmark
▪ 7.	Quality Control.	Enhancement	Angus Jamieson	
▪ 8.	Combined Surveys.	New Chapter	Angus Jamieson	
▪ 9.	Survey Program Design.	New Chapter	Pete Clark	Chevron



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Learning Opportunities in Surveying



HOME TO BRITAIN'S NEWEST UNIVERSITY

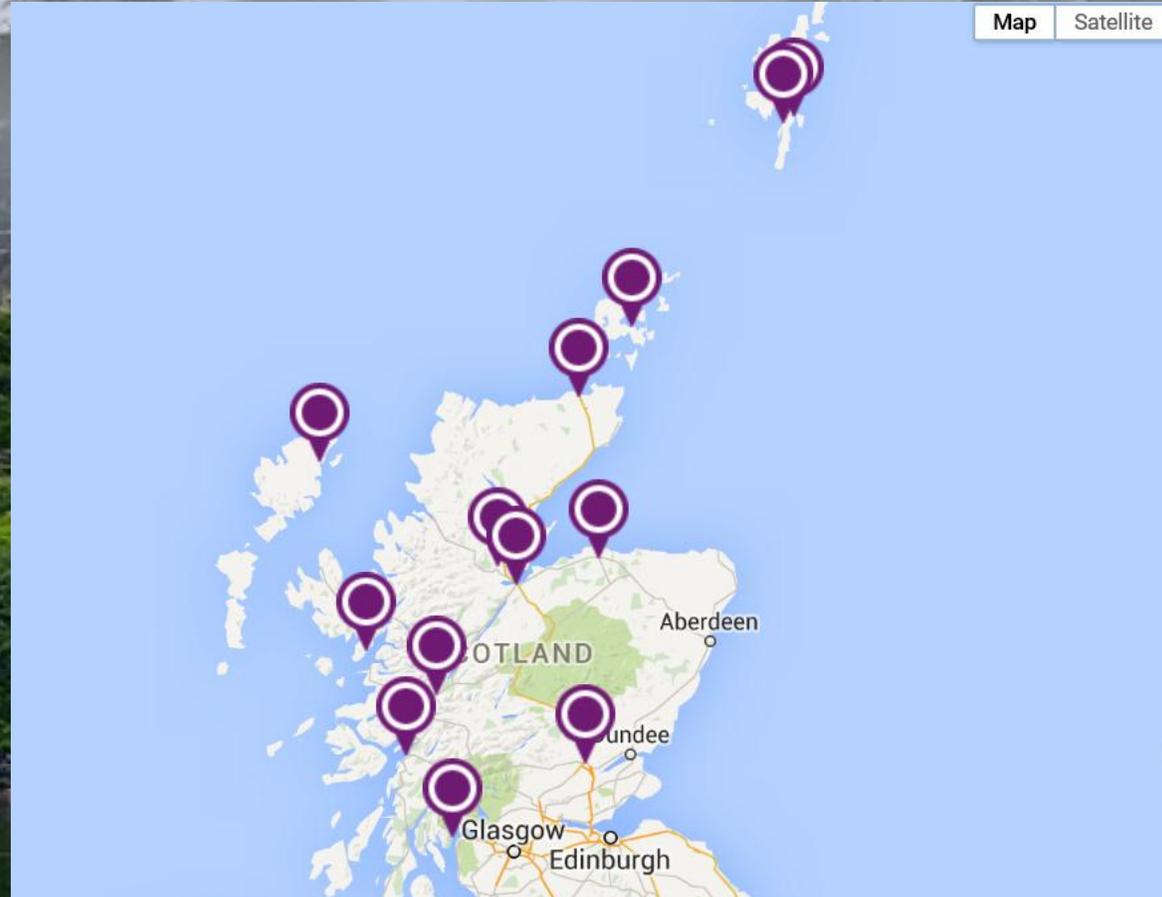
INVERNESS CAMPUS THE PLACE TO INSPIRE



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13 Campuses, Many in remote locations



UHI Certificate in Wellbore Positioning

- **100 hours of on-line study**
 - 30 hours of video lectures
 - 40 hours of additional study
 - 20 hours of simulation exercises
 - 10 hours of on-line VC tutorials
 - 4 hour on-line examination
- 10 academic credits**
- Mathematics refresher
 - Mapping & Geodesy
 - Surface Positioning
 - North Reference and Magnetics
 - MWD v Gyroscopes
 - Error Modelling & Uncertainty
 - Collision Avoidance
 - Directional Drilling
 - Data Quality Control
 - MSA, short collar, sag and stretch
 - Magnetic Ranging techniques

Post Grad Certificate in Surveying

- **900 hours of on-line study**
- **90 academic credits**
- **Mathematics for Surveying**
- **Mapping & Geodesy**
- **Principle of Surveying**
- **Land Surveying Theory**
- **Offshore Surveying Theory**
- **Wellbore Surveying Theory**

Post Grad Diploma in Surveying

- **900 hours of on-line study**
- **2 month summer school**
 - **Land survey practice**
 - **Use of Level, Theodolite & TS**
 - **Day skippers ticket**
 - **Marine surveying**
 - **Acoustic Positioning**
 - **Arial Surveying**
 - **In Field Referencing**
 - **Downhole surveying**
- **Mathematics for Surveying**
- **Mapping & Geodesy**
- **Principle of Surveying**
- **Land Surveying Theory & Practice**
- **Offshore Surveying Theory & Practice**
- **Wellbore Surveying Theory & Practice**

120 academic credits

Masters Degree in Surveying

- **900 hours of on-line study**
- **2 month summer school**
 - **Land survey practice**
 - **Use of Level, Theodolite & TS**
 - **Day skippers ticket**
 - **Marine surveying**
 - **Acoustic Positioning**
 - **Arial Surveying**
 - **In Field Referencing**
 - **Downhole surveying**
- **Mathematics for Surveying**
- **Mapping & Geodesy**
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- **Offshore Surveying Theory & Practice**
- **Wellbore Surveying Theory & Practice**

120 academic credits

80 academic Credits

Qualifying the Surveyors of Tomorrow

