

Training Workshops

iXcampus
Saint-Germain-en-Laye | France

24
06
22



iXblue

AGENDA

	Slot 1	Slot 2	Slot 3
08:30 a.m.	Breakfast	Breakfast	Breakfast
09:30 a.m.	How to optimize OEM INS integration on an AUV	What to expect when GNSS is lost during operation	Acoustic release: how to conduct preventive maintenance and self-recommissioning
10:00 a.m.			
10:30 a.m.		What to expect when GNSS is lost during operation	
11:00 a.m.	How to use Gaps M5 USBL system for AUV tracking		How to improve your navigation data with post-processing
11:30 a.m.		What to expect when GNSS is lost during operation	
12:00 p.m.	Lunch	Lunch	Lunch
01:30 p.m.	How to conduct efficient LBL operations using iXblue subsea positioning ecosystem	What to expect when GNSS is lost during operation	How to improve your navigation data with post-processing
02:00 p.m.			
02:30 p.m.		What to expect when GNSS is lost during operation	
03:00 p.m.			
03:30 p.m.		What to expect when GNSS is lost during operation	

TRAINING WORKSHOPS

How to conduct efficient LBL operations using iXblue subsea positioning ecosystem

- Presentation of iXblue LBL solutions.
- How to determine the number of required transponders and their location with DSP LBL array planning module?
- How to evaluate Inertial Navigation performance in an array of sparse LBL transponders?
- How to conduct a boxin and array adjustment with DSP software (data collection and processing)?
- How to navigate with an INS in sparse mode?
- How to optimize the navigation by using post processing techniques?

Acoustic release: how to conduct preventive maintenance and self-recomissioning

- Preventive maintenance: how design improvement and good practices can help you properly manage this critical topic.
- Self-recomissioning: Take full advantage of iXblue's acoustic release recomissioning autonomy with know-how on battery pack and o'rings replacement.
- Proper deck set unit use for quick and safe operation.

How to optimize OEM INS integration on an AUV

- Using an AUV integration case study:
- Factors to optimize performance with your application
- Detail of the different external sensors available for use, their advantages and drawbacks from an INS usage point of view
- Review of the control command
- How to embed the INS in your own solution

What to expect when GNSS loss during operation

- Embark on iXblue test 4x4 and discover what to expect in case of sudden and unexpected GNSS loss
- Max 3 pers.

How to improve navigation data with post-processing

- Learn how to save a seemingly botched data acquisition compaign using Delph INS post-processing software

How to use Gaps M5 USBL system for AUV tracking

- Systems presentation
- Inertial navigation with real-time USBL position fix transmitted by acoustic telemetry: method and added-value.
- Application: system configuration and effects on two AUVs (INS/DVL and INS/DVL/USBL) using data vizualization software.