

# SonarWiz 7 Training Workshop Agenda

Time (UTC-5) Session	Day 1 - December 15 Sidescan Processing	Day 2 - December 16 Sub-bottom Processing	Day 3 - December 17 Bathymetry Processing
10:00 - 11:15	<b>Course Introduction</b> <ul style="list-style-type: none"> <li>Welcome</li> <li>Course Goals and Expectations</li> <li>Housekeeping</li> <li>What's new 7.7 Highlight</li> </ul>	<b>Sub-bottom Fundamentals</b> <ul style="list-style-type: none"> <li>SEGY settings</li> <li>Coloring SBP, Bottom Tracking</li> <li>Scaling &amp; Annotation</li> <li>Gain &amp; Filter Settings</li> <li>Intersections, Datum alignment</li> </ul>	<b>Bathymetry Project Setup</b> <ul style="list-style-type: none"> <li>Configuring Vessel Files</li> <li>Loading SVP and Tide data</li> <li>Importing Bathymetry</li> <li>Merge Process</li> <li>Automatic Filtering</li> </ul>
11:15 - 11:45	<b>Break</b> with Kongsberg GeoAcoustics: Survey Solutions & SonarWiz	<b>Break</b> with Acoustic Imaging: Developing Techniques for Ultra-High Resolution Sub-bottom Profiling	<b>Break</b> with KLEIN - A MIND Technology Business US Navy ANTX 2020 Gap Filled Sonar Demo
11:45 - 13:00	<b>SonarWiz Fundamentals</b> <ul style="list-style-type: none"> <li>Project Creation</li> <li>Importing Raw Data</li> <li>Map Decorations</li> </ul>	<b>Acoustic Reflectors</b> <ul style="list-style-type: none"> <li>Speed of sound</li> <li>Finding Multiples</li> <li>Tracing Reflectors</li> <li>Computing Thickness</li> <li>Exporting Reflectors</li> <li>Creating 3D Surfaces</li> </ul>	<b>Bathymetry Performance &amp; Editing</b> <ul style="list-style-type: none"> <li>The Patch Test</li> <li>Beam Performance Test</li> <li>Editing Bathymetry</li> <li>Creating Grids</li> <li>Error Models and CUBE</li> <li>Grid Editor</li> </ul>
13:00 - 14:00	<b>Lunch Break</b> with EdgeTech 3400 Sub-Bottom Profiler Unique Features	<b>Lunch Break</b> with Sairdron speaker	<b>Lunch Break</b> w Seahorse Geomatics
14:00 - 15:15	<b>Positioning &amp; Navigation</b> <ul style="list-style-type: none"> <li>Course Smoothing &amp; Interpolation</li> <li>Fish Heading &amp; Pitch Correction</li> <li>Sheave Offsets &amp; Layback</li> <li>Bottom Tracking</li> <li>Editing Navigation</li> </ul>	<b>SBP Products</b> <ul style="list-style-type: none"> <li>Adding SBP Contacts</li> <li>Adding Core Annotations</li> <li>Exporting SB Profiles</li> </ul>	<b>Working with Bathymetry</b> <ul style="list-style-type: none"> <li>Backscatter Processing</li> <li>Bathymetry Contacts</li> <li>3D PDF Contact Reports</li> <li>Volume and Difference</li> </ul>
15:15 - 15:45	<b>Break</b> with Kongsberg Mesotech Ltd	<b>Break</b> with Teledyne Marine: Increased Performance Envelope for Shallow Water Survey	<b>Break</b>
15:45 - 16:30	<b>Signal Proecssing &amp; Contacts</b> <ul style="list-style-type: none"> <li>Gains &amp; Signal Processing</li> <li>Contacts &amp; Contact Reports</li> <li>Mosaic and Mosaic Tiles</li> </ul>	<b>3D Visualization</b> <ul style="list-style-type: none"> <li>Creating 3D scenes, draping sidescan</li> <li>Visualizing SBP</li> <li>Movies &amp; 3D PDFs</li> </ul>	<b>Real-Time Operation</b> <ul style="list-style-type: none"> <li>Loading servers, acquisition</li> <li>Planning and RT Displays</li> <li>Helm Display</li> </ul>
16:30 - 16:45	<b>Break</b>	<b>Break</b>	<b>Break</b>
16:45 - 17:30	<b>Advanced Tools &amp; Tips</b> <ul style="list-style-type: none"> <li>Project Reports</li> <li>Map Corrections</li> <li>NavInjectorPro</li> </ul>	<b>Magnetometer Processing</b> <ul style="list-style-type: none"> <li>Importing Data</li> <li>Adding Mag contacts</li> <li>Anomaly Reports</li> </ul>	<b>Course Wrap-Up</b>
17:30 - 18:30	<b>Open Discussion, Questions</b>	<b>Options for one-on-one with CTI Staff</b>	<b>Follow-up</b>