

Time (UTC-5)	Monday - December 5, 2022 <b>Workshops &amp; SonarWiz 101</b>	Tuesday - December 6, 2022 <b>Sidescan Processing</b>	Wednesday - December 7, 2022 <b>Sub-bottom Processing</b>	Thursday - December 8, 2022 <b>Bathymetry Processing</b>
8:00 - 9:00		<b>Registration</b>	<b>Registration</b>	<b>Registration</b>
9:00- 10:00	<b>SonarWiz 101</b>	<b>Welcome</b> <b>What's New in SonarWiz 7.09.03 Positioning Configuration (25)</b> <ul style="list-style-type: none"> <li>What is a Project?</li> <li>Coordinate Systems</li> <li>Preferences and Settings</li> </ul> <b>Importing Data (30)</b> <ul style="list-style-type: none"> <li>File Import</li> <li>Import Options</li> </ul>	<b>Sub-bottom Fundamentals (60)</b> <ul style="list-style-type: none"> <li>SEGY settings</li> <li>Coloring SBP</li> <li>Bottom Tracking</li> <li>Scaling &amp; Annotation</li> <li>Gain &amp; Filter Settings</li> <li>Tides</li> <li>Vertical Alignment</li> </ul>	<b>Bathymetry Project Setup (30)</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> <b>Bathymetry Tools for Editing (30)</b> <ul style="list-style-type: none"> <li>Editing Bathymetry</li> <li>Creating and Editing Grids</li> </ul>
10:00-10:30	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>
10:30-12:00	<b>Fundamentals of Sidescan</b>	<b>Positioning &amp; Navigation II (50)</b> <ul style="list-style-type: none"> <li>Smoothing, Offsets &amp; Laybacks</li> <li>Bottom Tracking</li> <li>Editing Navigation</li> </ul> <b>Signal Processing (40)</b> <ul style="list-style-type: none"> <li>Gains &amp; Filters</li> <li>Trimming &amp; Range Settings</li> </ul>	<b>Acoustic Reflectors (60)</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> </ul> <b>Sub-bottom Products (30)</b> <ul style="list-style-type: none"> <li>Creating 3D Surfaces</li> <li>Adding SBP Contacts</li> <li>Exporting SB Profiles</li> </ul>	<b>Bathymetry Tools for Editing (60)</b> <ul style="list-style-type: none"> <li>The Patch Test</li> <li>Beam Performance Test</li> <li>Editing Bathymetry</li> <li>Creating and Editing Grids</li> <li>Error Models and CUBE</li> </ul> <b>Working with Bathymetry (30)</b> <ul style="list-style-type: none"> <li>Backscatter Processing</li> <li>Bathymetry Contacts</li> </ul>
12:00-13:00	<b>Lunch Break</b>	<b>Lunch Break - Lunch is Provided</b>	<b>Lunch Break - Lunch is Provided</b>	<b>Lunch Break</b>
13:00-15:00	<b>Workshops</b>	<b>Contacts (45)</b> <ul style="list-style-type: none"> <li>Creating &amp; Editing</li> <li>Filters</li> <li>Reports &amp; Exporting</li> </ul> <b>Features (15)</b> <ul style="list-style-type: none"> <li>Digitizing &amp; Classification</li> <li>Exporting</li> </ul> <b>Mosaics &amp; Exports (60)</b> <ul style="list-style-type: none"> <li>GeoTiffs &amp; Tiles</li> <li>Web &amp; Google Earth</li> <li>Project Reports</li> </ul>	<b>3D Visualization (45)</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>Magnetometer (60)</b> <ul style="list-style-type: none"> <li>Importing Data</li> <li>Adding Mag Anomalies</li> <li>Anomaly Reports</li> </ul>	<b>Real-Time Operation (75)</b> <ul style="list-style-type: none"> <li>Loading servers</li> <li>Planning and RT Displays</li> <li>RT Navigation &amp; Laybacks</li> <li>Recording</li> </ul> <b>Closing Remarks</b> <ul style="list-style-type: none"> <li>Looking Ahead</li> <li>Plans for 2023</li> <li>CTI on the road</li> </ul>
15:00-17:00	<b>Boat Setup</b>	<b>Advanced Sidescan Topics (75)</b> <ul style="list-style-type: none"> <li>Map Corrections</li> <li>NavInjectorPro</li> <li>Automation</li> </ul>	<b>One-on-ones with CTI Staff, Meet Partners, Boat Demos</b>	<b>One-on-ones with CTI Staff, Meet Partners, Boat Demos</b>
17:00-19:00	<b>Sponsors Reception</b> Sponsored by CTI	<b>Class Reception</b> Sponsored by CTI		<b>Head home</b>