Klein, a MIND Technology business, the world leading manufacturer of high-quality side scan sonars, will be hosting a three (3) day side scan sonar training at the Seacoast Science Center in Rye Beach, NH. Practical sessions will be held on UNH Gulf Challenger, based in Newcastle, NH.

Participants will develop a thorough understanding of sonar image analysis as well as obtain hands-on experience with both multi-beam and single beam sonars such as the System 5000 V2 Multi-Beam Sonar and the latest in Side Scan Sonar Technology—the 4K-SVY Professional Survey side scan with True-Bottom™ tracking featuring Klein BLUE Technology.

**Dates: May 10-12, 2022  8:00 am - 4:00 pm**

**Who should attend:**
Hydrographers, First Responders, Police and Fire Fighters, Marine Construction Surveyors, UXO, SAR & Salvage Operators, Geologists and Habitat Mapping Specialists and Archeologists.

**Training Topics:**

- **Principles of Underwater Acoustics**
  - Sonar Record Analysis, Targets & Shadows, reflectivity of underwater materials, detailed target and shadow analysis, targets in the Water Column Under the Towfish

- **Noise and Interference**
  - Surface Return, Acoustic Noise, Electronic Noise, Refraction and Biological Noise

- **Anomalies**
  - Second Sweep Returns, Cross Talk, Multi-Path, Ringing, Hyperbolas and Flaring

- **General Sonar Imagery**
  - Shipwrecks, Hazardous Drums, Aircrafts, Automobiles, Fishing Gear, Marine Structures, Debris Fields

- **Navigation**
  - Layback and Target Positioning, Search Patterns, Range/Overlap, Shallow Water Operations, Small Target Search, Crime Scene/Accident Mapping, Artificial Reef Surveys, Drowning Victims, Operating Sonar & MAG Simultaneously, Deep Tows

**Training Costs:**
- $800 USD per participant
- $700 USD for Law Enforcement, Military and University students
- **Price includes training materials, training certificate and lunch each day.**

For reservations contact KleinSales@MIND-Technology.com

Training space is limited ~ Make sure you register early!