

FRIDAY WORKSHOPS

(W-1) PSI-PCI Visual Cylinder Inspection & Hazmat Training (VCI),

Presenter: Mark Gresham, Friday 8:00AM - 5:00PM. Embassy Hotel Meadowlands 1 and 2 room.

Sponsor: PSI-PCI (Professional SCUBA Inspectors)

PSI-PCI is recognized industry-wide as the gold standard for training and support in the visual inspection of high pressure cylinders. It is the ONLY training endorsed, recognized and utilized by cylinder manufacturers and recognized by USDOT and CGA.

This certification course teaches proper handling and visual inspection of cylinders from THE ONLY manufacturer endorsed/recognized training available. Learn all aspects of visual inspection for aluminum, steel and composite cylinders. In-depth program touches on other cylinder related subjects. Training and hands-on practice prepare students to inspect cylinders to applicable standards.

This course in the visual inspection of SCUBA, SCBA and other high pressure cylinders prepares and trains the graduate to professionally and thoroughly inspect breathing gas cylinders. PSI-PCI training is recognized by US courts as meeting the definition of someone who has been formally trained and PSI-PCI support for their inspectors is without equal. Completion also satisfies the OSHA requirement for hazardous material (HAZMAT) training for all employees who fill, use or otherwise handle high pressure gas cylinders.

Limit 50 Fee \$350.

(W-2) PSI-PCI Visual Cylinder Inspector REFRESH Course (VCIR),

Presenter: Mark Gresham, Friday 8:00AM - 5:00PM. Embassy Hotel Meadowlands 1 and 2 room .

Sponsor: PSI-PCI (Professional SCUBA Inspectors).

In order to meet OSHA and DOT requirements for currency in training, PSI-PCI inspectors must be within three years of their previous training. This course is for those who are NOT within that three year period.

Those previously trained PSI-PCI inspectors whose training has lapsed will need to take this course in order to regain compliant training status. The course will be conducted concurrently with Workshop W-1. Students MUST provide their PSI-PCI inspector number at the time of the class.

Limit 50 Fee \$225

SATURDAY WORKSHOPS

(W-3) PSI-PCI Visual Cylinder Inspector Annual UPDATE

Presenter: Mark Gresham, Saturday 8 AM - 10 AM, Holiday Inn Teterboro Room

Sponsor: PSI-PCI (Professional SCUBA Inspectors);

PSI-PCI Inspectors within their three year recurrent training window may use this 2 hour Update to meet renewal requirements. Up to date information presented to keep inspectors abreast of latest rules, news and trends in the cylinder industry. Meets federal standards for recurrent training requirements. Pre-requisite: Current PSI-PCI Visual Cylinder Inspection Training.

Limit 30 Fee \$195

(W-4) PSI-PCI Valve Repair Technician,

Presenter: Mark Gresham, Saturday 10AM - 12:30AM Holiday Inn Teterboro Room.

Sponsor: PSI-PCI (Professional SCUBA Inspectors).

The valve can be the most neglected piece of dive ensemble. This course provides manufacturer approved training for maintenance and repair of scuba valves. Very ands on course steps through disassembly, parts and reassembly of the valve. Valve schematics from various manufacturers included. Students receive Certificate of Completion.

Limit 30 Fee \$195

(W-5) PSI-PCI Oxygen Cylinder Cleaning Technician,

Presenter: Mark Gresham, Saturday 1:30 PM - 3:30 PM, Holiday Inn Teterboro Room,
Sponsor: PSI-PCI (Professional SCUBA Inspectors).

The PSI-PCI Oxygen Cylinder Cleaning Technician course offers information and inspection training specific to cleaning oxygen service cylinders. The course has been created by true experts and engineers in the gas industry on the subject of oxygen/enriched air service cylinders. Students receive Certificate of Training. Pre-requisite: Current PSI-PCI Visual Cylinder Inspector

Limit:30 Fee:\$195

(W-6) PSI-PCI Eddy Current Technician,

Presenter: Mark Gresham, Saturday 4 PM - 6 PM, Holiday Inn Teterboro Room,
Sponsor: PSI-PCI (Professional SCUBA Inspectors).

PSI-PCI makes sense of the SCUBA industry confusion surrounding eddy current testing in this program. Students learn federal regulations applicable to testing, hands-on instrument training and testing process. This program will clear up the mystery of eddy current testing following federal and manufacturer's requirements. Students receive Certificate of Training. *Pre-requisite: Current PSI-PCI Visual Cylinder Inspector*

Limit:30 Fee:\$195

(W-7) Photogrammetry For Beginners

CertificatesPresenter: Christopher Drew Saturday 9AM - 12PM Holiday Inn Holitech Room,
Back by popular demand...Is the future of Rapid 3-D Survey. Ready to take your shipwreck diving and survey skills to the next level, or curious about art in rapid digital survey? Starting from the ground-up, we will review current survey techniques before introducing photogrammetric survey. With little more than a camera, an accurate baseline, the right software, and know-how, you can build scaled-3D models in just minutes after your dive! This technique has revolutionized land-based archaeology, and is now being implemented underwater. All required software will be supplied, and we will go step-by-step through the entire workflow to create your first model. Handouts with notes will be provided, so you can focus on the task-at-hand... and have a convenient reference guide for the future!

STUDENTS PLEASE BRING:

1. Mac or PC, running Windows 7, 10, or OS X, recommended: ≥ 8 GB RAM and ≥ 3 GHz CPU.
 - a. Software to be installed ahead of time: Agisoft PhotoScan Pro [DEMO LICENSE]
<http://www.agisoft.com/downloads/request-trial/>
Please do not activate the demo license until ~1 week before BTS)
 - b. If you're not able to bring a computer, you can still work with others!
2. Camera or smartphone – we will be simulating a dive over a scale model shipwreck in the classroom. This will let you take your own photos to practice the needed swim pattern routing.
3. Pencil/pen, paper, flash drive, and excitement!

PROVIDED BY THE INSTRUCTOR:

All software (linked version will give unlimited practice afterwards) for class
Scale model for photos and modeling practice
Detailed instruction and troubleshooting
Handouts & Certificates

Limit:30 Fee:\$80

(W-8) A Complete Lightroom Immersion

Presenter: Jennifer Idol Saturday 1PM - 4PM Holiday Inn Holitech Room,

Learn how to enhance your underwater photography with simple photo editing principles. Using Lightroom for Mac, we'll review file management and workflow techniques. Bring 3 photos for editing and

laptop with Lightroom Classic CC installed, not just CC, for this in-depth workshop. All attendees receive a course packet with tips.

Jennifer Idol is the first woman to dive 50 states and author of An American Immersion. She's earned 29 certifications and has been diving for 22 years. A technical diver and award-winning underwater photographer, she's published in publications including Scuba Diving, DIVER and Sport Diver.

Limit:30 Fee:\$80

(W-9) Underwater Photography Part 1 -- An Easy Start From A(Perture) To Z(Oom)" (Beginner-Intermediate)

Presenters: Cathy Church Saturday 9AM - 12PM Holiday Inn Bergen Room

Starts with optimum settings for any camera. This is a hands-on workshop, bring your camera (and an extra battery and your owner's.) You must e-mail Cathy in advance at cchurch@cathychurch.com and tell her what brand and model of camera and housing you have. She will send you a hand-out of her recommended settings specifically for YOUR camera and how to find each setting that she discusses. She will also send you a handout on the basics of exposure. As everyone says "Cathy takes a complex topic and makes it clear." Her humorous, easy-to-understand approach has made her the country's most popular photo instructor. This workshop is LOADED with helpful info and tips. Go to www.cathychurch.com for complete details.

Limit:30 Fee:\$80 (Both workshops for only \$140.00.)*

(W-10) Self-Preservation And Self-Rescue – For Basic To Leadership Level Divers

Presenter: Andrea Zaferes Saturday 1PM - 4PM Holiday Inn Bergen Room

Learn from Andrea Zaferes, who has been teaching diving for 35 years, how to make yourself, or your students, more competent, strong, self-sufficient divers. You can't count on the buddy system anymore. The buddy system doesn't have the strength or meaning today as it did in the past, hence divers need to be what they were 30 years ago – independent, strong divers who can take care of themselves both in regards to problem prevention and solving. This workshop will teach you specific techniques to start using on your next dive.

Limit:30 Fee:\$80

SUNDAY

(W-11) UW Photography Part 2: "Lighting--Tried And True And Cutting Edge, Too." (Intermediate – Advanced)

Presenters: Cathy Church Sunday 9AM - 12PM Holiday Inn Teterboro Room

Covers the use of exposure controls with external strobes and all aspects of underwater lighting from ambient light to strobes and constant light sources for primary lighting and balanced flash fill. Cathy shares her creative lighting tips and makes sure that you understand how this all works with YOUR particular camera and lighting system.

Her humorous, easy-to-understand approach has made her the country's most popular photo instructor. Email cathy at cchurch@cathychurch.com for a two-page handout to read in advance and also to tell her what camera and lighting system YOU have. This is very important so that she can be sure to have answers that YOU need.

Limit:30 Fee:\$80 (Both workshops for only \$140.00.)*

(W-12) Dress For Success For All Levels Of Divers And Leaders.

Presenters: Andrea Zaferes & Butch Hendrick, Sunday, 9:00AM.-12:00P.M Holiday Inn Bergen Room
Weightlessness and fully-controlled u/w movement requires you and your gear to be one. Your gear must be appropriate, trim and balanced for your body and activities. Bring your gear or all-angle photos of you in gear. Learn an equipment check that strengthens self-rescue skills and problem prevention. Checklist card included.

Limit30: Fee:\$80

(W-13) Diving And Swimming With Whales And Dolphins: The Good, The Bad And The Ugly.

Presenters: Paul Forestell, Sunday 9AM - 12PM Holiday Inn Holitech Room

Whale and dolphin watching is an annual billion dollar global industry with an increasing demand for in-water encounters in the wild. This workshop will cover: marine mammal species, distribution, behaviors, and migratory patterns; overall conservation status and research findings on human impacts; species and locations targeted for in-water encounters; safety and conservation practices to ensure successful encounters with marine mammals in the wild. Paul earned a Ph.D. from University of Hawaii. He studies marine mammal learning and behavior, and marine tourism education, and has published 100 books, book chapters and scientific papers. He was a member of the faculty at Southampton College; Provost at Long Island University; and VP for Academic Affairs at Keuka College (NY). Paul is currently Director of International Programs with Pacific Whale Foundation, Hawaii.

Limit: 30 Fee: \$60