

## **Alessandro Bocconcelli, Oceanographer Emeritus**

Mr. Bocconcelli has been at Woods Hole Oceanographic Institution (WHOI) since 1985, beginning as a summer student and then joining the Ocean Structures and Moorings Laboratory as an engineer. Subsequently, he worked at the University of North Carolina at Wilmington as Director of Operations for the Center for Marine Science Research for seven years. Upon returning to WHOI, he worked as a Research Specialist for the Digital Acoustic Recording Tag (DTAG) Laboratory. His experience with tagging marine mammals includes working with the Watkins/Tyack laboratory and with Mark Johnson at WHOI.

Mr. Bocconcelli has authored and co-authored more than 50 technical papers and presented them worldwide. He is a member of the Marine Technology Society, the Society for Marine Mammalogy, and the European Cetacean Society. He has served on the board of trustees for the Masonboro Island Society and the Friends School of Wilmington, NC.

Mr. Bocconcelli is a graduate of the Merchant Marine Technical Institute in Camogli, Italy, and has undergraduate and graduate degrees in Ocean Engineering from the Massachusetts Institute of Technology. He has sailed in the Merchant Marines as deck officer and Captain and has participated in more than 100 research cruises as Project Engineer, Chief Scientist, or Captain of the research vessel. He is also a guest investigator at the CIMA Research Foundation in Savona, Italy, and at the Stazione Biologica Anton Dorn in Naples, Italy.

Mr. Bocconcelli's research interests include marine mammal behavioral research (specifically tagging and impacts of noise), fisheries technology and engineering, mariculture, dynamics of moored and towed arrays, underwater sensor packages, surface and sub-surface mooring systems, data telemetry from oceanographic moorings, electromechanical cables and terminations, and marine operations with research vessels.

### **Recent Publications:**

Zitterbart, D.P., **A. Bocconcelli**, M. Ochs, and J. Bonnel (In press) TOSSIT: A low-cost, hand deployable, ropeless and acoustically silent mooring for underwater passive acoustic monitoring. *HardwareX* 11(2022): e00304, 13 pp.

Kleivane, L., P.H. Kvalsheim, **A. Bocconcelli**, M. Øien, and P.J.O. Miller (2022) Equipment to tag, track and collect biopsies from whales and dolphins: the ARTS, DFHorten and LKDart systems. *Anim. Biotelemetry* 10(32), 13pp.

Owen, K., K. Saeki, J.D. Warren, **A. Bocconcelli**, D.N. Wiley, S.-I. Ohira, A. Bombosch, K. Toda, and D.P. Zitterbart (2021) Natural dimethyl sulfide gradients would lead marine predators to higher prey biomass. *Commun. Biol.* 4(149): 1-8.

Caruso, F., L. Hickmott, J. D. Warren, P. Segre, G. Chiang, P. Bahamonde, S. Español-Jiménez, S. Li, and **A. Bocconcelli** (2020) Diel differences in blue whale (*Balaenoptera musculus*) dive behavior increase nighttime risk of ship strikes in northern Chilean Patagonia. *Integr. Zool.* 0: 1-18.

Li, S., M. Lin, F. Caruso, L. Dong, W. Lin, M. Rosso, and **A. Bocconcelli** (2020) Cetaceans under threat in South China Sea. *Science* 368(6495): 1074-1075.

