

ALESSANDRO BOCCONCELLI

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Department of Applied Ocean Physics and Engineering.
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EDUCATION:

1998 Captain's License for motor and sail vessels (100 ton; USA)
1991 M.S. in Ocean Engineering, Massachusetts Institute of Technology
1986 B.S. in Ocean Engineering, Massachusetts Institute of Technology
1982 Unlimited Master License for ocean-going vessels (Italy)
1980 Captain's License for charter and pleasure sailboats and motor yachts (Italy)
1977 Radar Observer License, G. Marconi Institute (Italy)
1975 Deck Officer Diploma, C. Columbus Technical Nautical Institute (Italy)

AWARDS:

2000 UNCW Information Technology Innovation Awards (2)
2000 SIGMA XI Award for outstanding contributions in support of scientific research
1986 Dean Horn Award, Massachusetts Institute of Technology
1985 UROP Sea Grant Award, Massachusetts Institute of Technology
1984 UROP Sea Grant Award, Massachusetts Institute of Technology
1975 Valedictorian of Senior Class, C. Columbus Technical Nautical Institute

EMPLOYMENT:

2003-present Research Specialist, Applied Ocean Physics and Engineering Department, Woods Hole Oceanographic Institution
2012-2015 Project Manager, Ship Operations Department, Woods Hole Oceanographic Institution
2002-2003 Marine Engineering Consultant
1995-present Participated in more than 100 oceanographic cruises (20 as Chief Scientist)
1995-2002 Operations Director, Center for Marine Science Research, UNCW
Adjunct Lecturer, Department of Biological Sciences, UNCW
1995 & 1997 Captain, R/V *Gemini Lab*, Tethys Institute (3 months)
1994-1995 Research Associate, Woods Hole Oceanographic Institution
1992 Assistant Scientist, Sea Education Association (3 months)
1989-1994 Engineer II, Woods Hole Oceanographic Institution
1986-1989 Ocean Engineer, Woods Hole Oceanographic Institution
1985 Engineering Assistant, Woods Hole Oceanographic Institution
1984-86 Fisheries Engineer Assistant and Mate (R/V *Edgerton*), MIT Sea Grant
1972-83 Captain, Deck Officer, Mate, Deck Hand, Motorman, Merchant Marine

TEACHING EXPERIENCE:

2009-present Judge for the Science Fair, Falmouth Public Schools
2008-present Volunteer teacher for the Children's School of Science, Woods Hole, MA
2004-present Volunteer teacher in the Falmouth Public Schools (VIPS)
1996-present UNCW Department of Biological Sciences, Adjunct Lecturer

1995 Tethys Institute; marine mammal survey techniques, navigation
1992 Sea Education Association, Sea Semester on R/V *Westward* and R/V *Cramer*

RESEARCH INTERESTS:

Marine mammal behavioral research, including 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, marine operations with research vessels.

PUBLICATIONS AND ABSTRACTS

Submitted

Perrtree, R.M., L.S. Sayigh, A. Williford, **A. Bocconcelli**, M.C. Curran, and T.M. Cox. Submitted. First observed wild birth and acoustic record of an infanticide attempt on a common bottlenose dolphin (*Tursiops truncatus*). Mar. Mammal Sci.

In press

Bocconcelli, A., L. Hickmott, R. Landea Briones, G. Howes and L. Sayigh. 2015. Blue whales (*Balaenoptera musculus*) in the Canal Moraleda and Golfo Cocovado, Chile. In: OCEANS 2015, MTS/IEEE Conference and Exhibition.

2014

Bocconcelli, A., L. Hickmott, R. Landea Briones, G. Howes, and L. Sayigh. 2014. A preliminary investigation into the ecology and behavior of blue whales (*Balaenoptera musculus*) in the Gulf of Corcovado, Chile. Woods Hole Oceanographic Institution Technical Report, WHOI-2014-05.
van der Hoop, J., M. Moore, A. Fahlman, **A. Bocconcelli**, C. George, K. Jackson, C. Miller, D. Morin, T. Pitchford, T. Rowles, J. Smith and B. Zoodsma. 2014. Behavioral impacts of disentanglement of a right whale under sedation and the energetic cost of entanglement. Mar. Mammal Sci. 30(1): 282-307.
Ware, C., D.N. Wiley, A.S. Friedlaender, M. Weinrich, E.L. Hazen, **A. Bocconcelli**, S.E. Parks, A.K. Stimpert, M.A. Thompson, and K. Abernathy. 2014. Bottom side-roll feeding by humpback whales (*Megaptera novaeangliae*) in the southern Gulf of Maine, U.S.A. Mar. Mammal Sci. 30(2): 494-511.

2012

van der Hoop, J., M. Moore, A. Fahlman, **A. Bocconcelli**, C. George, K. Jackson, C. Miller, D. Morin, T. Pitchford, T. Rowles, J. Smith and B. Zoodsma. 2012. Behavioral impacts of disentanglement of a right whale under sedation and the energetic cost of entanglement. World Society for the Protection of Animals 1st Global Symposium on Entanglement in Marine Debris, Miami, FL, 4-6 Dec. Abstract and oral presentation.

2011

Hickmott, L., P. Tyack, **A. Bocconcelli**, A. Cañadas, L. Sayigh, E. Revelli, J. Vazquez and F. Jensen. 2011. Foraging behavior of long-finned pilot whales (*Globicephala melas*) in the Alboran sea, western Mediterranean. European Cetacean Society Annual Conference, Cadiz, Spain, 21-23 Mar. Abstract and poster presentation.
Kleivane, L., **A. Bocconcelli**, P.H. Kvadsheim and M. Pelletier. 2011. "The Aerial Rocket Tag System (ARTS) for tagging marine mammals." 2011. The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Abstract and poster presentation.

- Tyack, P., **A. Bocconcelli**, A. Cañadas, L. Hickmott, N. MacFarlane, L. Sayigh, J. Vazquez and F. Jensen. 2011. Extreme dive synchrony and acoustic coordination in a pair of long-finned pilot whales (*Globicephala melas*) in the western Mediterranean. European Cetacean Society Annual Conference, Cadiz, Spain, 21-23 Mar. Abstract and oral presentation.
- van der Hoop, J., M. Moore, **A. Bocconcelli**, J. Smith, T. Pitchford, C. George and D. Morin. 2011. The behavioral impacts of disentanglement of a right whale under sedation and the energetic cost of entanglement. North Atlantic Right Whale Consortium Annual Meeting, New Bedford, MA, 2-3 Nov. Abstract.
- Wiley, D., C. Ware, **A. Bocconcelli**, D. Cholewiak, A. Friedlaender, M. Thompson and M. Weinrich. 2011. Underwater components of humpback whale bubble-net feeding behaviour. *Behaviour* 148(5-6): 575-602.

2010

- Palmer, K., S.E. Parks, D. Wiley, M. Weinrich, J. Tackaberry, **A. Bocconcelli** and A. Friedlaender. 2010. Vocal behavior of North Atlantic humpback whales during reunion events on Stellwagen Bank. *J. Acoust. Soc. Am.* 127(3): 1894.
- Parks, S.E., D.N. Wiley, M.T. Weinrich and **A. Bocconcelli**. 2010. Behavioral differences affect passive acoustic detectability of foraging North Atlantic right and humpback whales. *J. Acoust. Soc. Am.* 128(4): 2483.

2009

- Bocconcelli, A.**, T. Hurst and M. Johnson. 2009. A Low Cost Acoustic Monitoring Device – DMON. The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, 12-16 Oct. Abstract and poster presentation.
- Kvadsheim, P., F.P. Lam, P. Miller, A.C. Alves, R. Antunes, **A. Bocconcelli**, S. van Ijsselmunde, L. Kleivane, M. Olivierse and F. Visseur. 2009. Cetaceans and naval sonar – the 3S-2009 cruise report. Forsvarets forskningsinstitutt/Norwegian Defence Research Establishment (FFI), FFI- rapport 2009/01140. Horten, Norway, 133 pp.
- Parks, S., **A. Bocconcelli**, C.W. Clark, M.P. Johnson, D. Nowacek, P.L. Tyack, M. Weinrich and D. Wiley. 2009. Simultaneous acoustic tag and bottom mounted acoustic recorder detection of right whale calls in the Bay of Fundy and Cape Cod Bay. North Atlantic Right Whale Consortium Annual Meeting, New Bedford, MA, 17-18 Nov. Abstract and oral presentation.
- Parks, S., **A. Bocconcelli**, M. Johnson, P. Tyack and D. Nowacek. 2009. Evidence for Changes in Vocal Behavior of Individual North Atlantic Right Whales in Response to Increased Noise. The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, 12-16 Oct. Abstract.
- Revelli, E.M.S., T.L. Pusser, M. Johnson, N.A. de Soto, **A. Bocconcelli**, M. Ballardini and P. Tyack. 2009. First Integrated Study on Cuvier's Beaked Whale (*Ziphius cavirostris*) in the Northern Ligurian Sea (Italy, Mediterranean Sea) Using DTAG and Photo ID. European Cetacean Society 23rd Annual Conference, Istanbul, Turkey, 2-4 Mar. Abstract and oral presentation.
- Summer, E., A. Loer, **A. Bocconcelli**, B. Woodward, J. Winn, L. Morris, L. Conger, L. Ganley and C. Pekarcik. 2009. Determination of Diving Behaviors of Humpback Whales, *Megaptera novaeangliae*, Over Rocky Bottom Habitats Using DTAGS. The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, 12-16 Oct. Abstract.
- Wiley, D., C. Ware, **A. Bocconcelli**, D. Cholewiak, A. Friedlaender, M. Thompson and M. Weinrich. 2009. Underwater Kinematics of Bubble-net Feeding Humpback Whales (*Megaptera novaeangliae*). The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, 12-16 Oct. Abstract.

2008

- Revelli, E., T. Pusser, **A. Bocconcelli**, M. Ballardini, A. Sturlese and M.P. Johnson. 2008. Photoidentification catalog of Cuvier's beaked whale (*Ziphius cavirostris*) in the Ligurian Sea. Woods Hole Oceanographic Institution online publication, <http://hdl.handle.net/1912/2165>, April 2008.

2007

- de Soto, N.A., M. Johnson, P. Madsen, F. Díaz, I. Domínguez, C. Aparicio, **A. Bocconcelli**, C.M. Militello and A.B. Hernández. 2007. Nuevos descubrimientos sobre cetáceos de buceo profundo en Canarias: relación con su conservación. *Makaronesia* 9: 70-85.
- Haviland-Howell, G., A.S. Frankel, C.M. Powell, **A. Bocconcelli**, R.L. Herman and L.S. Sayigh. 2007. Recreational boating traffic: A chronic source of anthropogenic noise in the Wilmington, North Carolina Intracoastal Waterway. *J. Acoust. Soc. Am.* 122(1): 151-160.
- Madsen, P.T., M. Wilson, M. Johnson, R.T. Hanlon, **A. Bocconcelli**, N.A. de Soto and P.L. Tyack. 2007. Clicking for calamari: toothed whales can echolocate squid *Loligo pealeii*. *Aquat. Biol.* 1(2): 141-150.

2006

- de Soto, N.A., M. Johnson, P.T. Madsen, P.L. Tyack, **A. Bocconcelli**, and J.F. Borsani. 2006. Does intense ship noise disrupt foraging in deep-diving Cuvier's beaked whales (*Ziphius cavirostris*)? *Mar. Mammal Sci.* 22(3): 690-699.

2005

- de Soto, N.A., M. Johnson, P. Madsen, P.L. Tyack, **A. Bocconcelli** and F. Borsani. 2005. Does Intense Ship Noise Disrupt Foraging in Deep-Diving Cuvier's Beaked Whales (*Ziphius cavirostris*)? The Society for Marine Mammalogy 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, 12-16 Dec. Abstract.
- Nowacek, D.P., K. Barton, **A. Bocconcelli**, M.P. Johnson, K.C. Moore, S.E. Parks, K.A. Shorter and P.L. Tyack. 2005. Response of right whales at the surface to alert/alarm signal. North Atlantic Right Whale Consortium Annual Meeting, New Bedford, MA, 2-3 Nov. Abstract and oral presentation.

2004

- de Soto, N.A., M. Johnson, C. Aparicio, I. Domínguez, F. Díaz, A.B. Hernández, M. Guerra, **A. Bocconcelli** and P. Tyack. 2004. Small island, deep whales: high concentration of beaked whales observed close to the shores of El Hierro. European Cetacean Society 18th Annual Conference, Kolmården, Sweden, 28-31 Mar. Abstract.

2003

- Biassoni, N., P. Miller, M. Podesta, M. Johnson, A. Sturlese, P. Tyack and **A. Bocconcelli**. 2003. Behavioral observations and non-invasive tagging of Cuvier's beaked whales, *Ziphius cavirostris*, in the Ligurian Sea. European Cetacean Society 17th Annual Conference, Las Palmas, Canary Islands, Spain, 9-13 Mar. Abstract.
- de Soto, N.A., M. Johnson, F. Díaz, I. Domínguez, C. Aparicio, **A. Bocconcelli**, A.B. Hernández and P. Tyack. 2003. Cetáceos de hábitos profundos en Canarias. *Makaronesia* 5: 46-57.

2002

- Haviland G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. 2002. Noisome noise: Recreational boating traffic and bottlenose dolphins, *Tursiops truncatus*, in the Wilmington, North Carolina Intracoastal Waterway. Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS) 2002 Conference, Conway, SC, 12-14 Apr. Abstract.

Haviland, G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. 2002. Recreational boating traffic and environmental noise in the Wilmington, North Carolina Intracoastal Waterway: potential implications for bottlenose dolphins. Marine Technology Society Oceans 2002 Conference, Biloxi, MS, Oct. Abstract.

2001

Bocconcelli, A., J. Murray and C. Powell. 2001. A low cost real-time link for a coastal research vessel. In: OCEANS 2001, MTS/IEEE Conference and Exhibition, Vol. 2. IEEE, Piscataway, NJ, pp.980-982.

Haviland G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. 2001. Mapping Total Environmental Exposure of Bottlenose Dolphins, *Tursiops truncatus*, in the Wilmington Intracoastal Waterway. Southeast and Mid-Atlantic Marine Mammal Symposium (Semamms) 2001 Conference, Beaufort, NC, Apr. Abstract.

Haviland G.M., L.S. Sayigh, A.S. Frankel, C.M. Powell, **A. Bocconcelli** and R.L. Herman. 2001. Mapping total environmental sound exposure of bottlenose dolphins, *Tursiops truncatus*, in the Wilmington, North Carolina intracoastal waterway. In: OCEANS 2001, MTS/IEEE Conference and Exhibition, Vol. 3. IEEE, Piscataway, NJ, pp. 1392-1394.

Haviland G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. 2001. Mapping Total Environmental Sound Exposure of Bottlenose Dolphins, *Tursiops truncatus*, in the Wilmington, North Carolina Intracoastal Waterway. The Society for Marine Mammalogy 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, British Columbia, Canada, 28 Nov.-3 Dec. Abstract.

2000

Avanzini, C., N. Bazzurro, **A. Bocconcelli**, et al. 2000. AQUARIUS: Aqua-Receiving Information from Underwater Sensors. 1st International Conference on Marine Waste Water Discharge, Genoa, Italy, 1 Dec. Abstract.

Bocconcelli, A. 2000. Marine Science Institutes of the World: Center for Marine Science at the University of North Carolina at Wilmington. Ocean News 12: 5.

Bocconcelli, A., C. Powell, J. Murray, R. Beavers and L. Cahoon. 2000. The South Atlantic Bight monitoring program. In: OCEANS 2000, MTS/IEEE Conference and Exhibition, Vol. 3. IEEE, Piscataway, NJ, pp. 1997-2000.

Johnson, M., **A. Bocconcelli** and P. Domenichini. 2000. Shallow water acoustic communication: a reality for the control of outfall operation. Proceedings of the 1st International Conference on Marine Waste Water Discharge, Genoa, Italy, 1 Dec. pp. 213-214.

1998

Bocconcelli, A. and C. Powell. 1998. Converting a Fishing Vessel Into a Research Vessel. In: MTS Ocean Community Conference '98 Proceedings. MTS, Washington, DC, pp. 276-279.

1996

Bocconcelli, A. 1996. Marine science at the University of North Carolina at Wilmington. In: OCEANS '96 MTS/IEEE, "Prospects for the 21st Century," Conference Proceedings, Vol. 3. IEEE, Piscataway, NJ, pp. 1409-1411.

Frye, D., S. Merriam, B. Eastwood, J. Kemp, N. McPhee, S. Liberatore, E. Hobart, **A. Bocconcelli** and S. Tarbell. 1996. Atlantic Long-Term Oceanographic Mooring (ALTOMOOR). Woods Hole Oceanog. Inst. Tech. Rept. WHOI-96-02. Woods Hole Oceanog. Inst., Woods Hole, MA, 88 pp.

1994

Paul, W. and **A. Bocconcelli**. 1994. Drifting buoy systems using rubber stretch hose. Sea Technol. 35(11): 37-44.

- Paul, W., **A. Bocconcelli** and P.B. Boutin. 1994. The SSAR Drifting Buoy System; a New Approach for a Reliable Telemetry Link to a Suspended Sensor Package. In: MTS '94 Conference Proceedings. MTS, Washington, DC, pp. 398-408.
- Paul, W., **A. Bocconcelli** and M. Großenbaugh. 1994. Drifting buoy systems using elastic rubber stretch hoses. In: Behaviour of Offshore Structures Vol. 2: Hydrodynamics and Cable Dynamics. Chrysostomidis, C. (ed.). Elsevier, Amsterdam, pp. 213-225.
- Stephen, R.A., D.E. Koelsch, H. Berteaux, **A. Bocconcelli**, S. Bolmer, J. Cretin, N. Etourmy, A. Fabre, R. Goldsborough, M. Gould, S. Kery, J. Laurent, G. Omnes, K. Peal, S. Swift, R. Turpening and C. Zani. 1994. The Sea Floor Borehole Array Seismic System (SEA-BASS) and VLF ambient noise. Mar. Geophys. Res. 16(4): 243-486.

1993

- Berteaux, H.O., **A. Bocconcelli**, C. Eck and S. Kery. 1993. In Situ Measurements of the Dynamics of A Full Scale Bottom Moored Mine Model. Woods Hole Oceanog. Inst. Tech. Rept. WHOI-93-21. Woods Hole Oceanog. Inst., Woods Hole, MA, 73 pp.
- Berteaux, H.O., **A. Bocconcelli**, C.F. Eck and S. Kery. 1993. The dynamic mooring experiment. Sea Technol. 34(3): 30-36.
- Frye, D., **A. Bocconcelli**, S. Liberatore and E. Hobart. 1993. Inductive telemetry on a deep ocean surface mooring. In: MTS '93 Conference Proceedings. MTS, Washington, DC, pp. 393-401.
- Stephen, R.A., D. Koelsch, H. Berteaux, **A. Bocconcelli**, S. Bolmer, J. Cretin, N. Etourmy, A. Fabre, R. Goldsborough, M. Gould, S. Kery, J. Laurent, G. Omnes, K. Peal, S. Swift, R. Turpening and C. Zani. 1993. The seafloor borehole array seismic system (SEABASS). Woods Hole Oceanog. Inst. Tech. Memo. WHOI 01-93. Woods Hole Oceanog. Inst., Woods Hole, MA, 116 pp.

1992

- Berteaux, H., **A. Bocconcelli**, C. Eck, S. Kery and P. Wansek. 1992. The DYNAMOOR Experiment. In: MTS '92 Conference Proceedings. MTS, Washington, DC, pp. 931-942.
- Bocconcelli, A.** and H.O. Berteaux. 1992. ESOM: Long-term evaluation of new mooring components. Sea Technol. 33(2):15-23.
- Kery, S. and **A. Bocconcelli**. 1992. Development and evaluation of electromechanical terminations for deep sea buoy applications. In: MTS '92 Conference Proceedings. MTS, Washington, DC, pp. 971-976.

1991

- Bocconcelli, A.** 1991. A Novel Hemispherical Surface Buoy. Woods Hole Oceanog. Inst. Tech. Preprint. Woods Hole Oceanog. Inst., Woods Hole, MA.
- Bocconcelli, A.** 1991. Development and Evaluation of Electromechanical Cables for Deep Sea Buoy Applications. Woods Hole Oceanog. Inst. Tech. Rept. WHOI-91-02. Woods Hole Oceanog. Inst., Woods Hole, MA, 47 pp.
- Bocconcelli, A.** 1991. Flow-induced vibration of an oceanographic mooring. MS thesis. Massachusetts Institute of Technology, Dept. of Ocean Engineering, Cambridge, MA, 108 pp.
- Bocconcelli, A.** 1991. Real-time Environmental Arctic Monitoring (RTEAM): Final Report. Woods Hole Oceanog. Inst. Tech. Preprint. Woods Hole Oceanog. Inst., Woods Hole, MA.
- Bocconcelli, A.**, H.O. Berteaux and D.E. Frye. 1991. Engineering Surface Oceanographic Mooring (ESOM) Results from Long Term Exposure Testing of Mooring Components. In: MTS '91 Conference Proceedings. MTS, Washington, DC.
- Bocconcelli, A.**, H.O. Berteaux, D.E. Frye and B. Prindle. 1991. A long-term evaluation of new mooring components and underwater telemetry techniques. In: MTS '91 Conference Proceedings. MTS, Washington, DC, pp. 848-857.
- Bocconcelli, A.**, H. Berteaux, D.E. Frye and B. Prindle. 1991. ESOM I and II Final Report. Woods Hole Oceanog. Inst. Tech. Rept. WHOI-91-34. Woods Hole Oceanog. Inst., Woods Hole, MA, 85 pp.

Bocconcelli, A., H. Berteaux and R. Stephen. 1991. Bottom array specifications for the low frequency acoustic seismic experiment (LFASE). Woods Hole Oceanog. Inst. Tech. Memo. WHOI 5-91. Woods Hole Oceanog. Inst., Woods Hole, MA, 24pp.

1990

Berteaux, H., **A. Bocconcelli**, D. Koelsch and R. Stephen. 1990. A sea floor winch system for wire line re-entry of deep sea boreholes. Woods Hole Oceanog. Inst. Tech. Memo. WHOI 5-90. Woods Hole Oceanog. Inst., Woods Hole, MA, 24 pp.

Bocconcelli, A. 1990. Real-time Environmental Arctic Monitoring (R-TEAM): Cruise Report. Woods Hole Oceanog. Inst. WHOI 1990.A4. Woods Hole Oceanog. Inst., Woods Hole, MA, 6 pp.

Bocconcelli, A. and H. Berteaux. 1990. ESOM cruise report R/V *Weatherbird II*, November 7th - November 13th, 1990, Bermuda. Woods Hole Oceanog. Inst. WHOI 1990.B6. Woods Hole Oceanog. Inst., Woods Hole, MA, 5 pp.

Koelsch, D.E., H. Berteaux, R. Stephen, **A. Bocconcelli** and R. Goldsborough. 1990. An autonomous borehole seismic array and recording system for the deep sea floor. Proc. of 6th SEG/USN Deep Ocean Technology Symposium, Stennis Space Center, MS, Feb.

1989

Bocconcelli, A. 1989. Engineering Surface Oceanographic Mooring (ESOM). In: OCEANS '89, Proceedings, Vol. 5. IEEE, Piscataway, NJ, pp. 1381-1385.

1988

Berteaux, H., **A. Bocconcelli**, M. Gould and S. Kery. 1988. Testing and evaluation of SURLYN foam and SPECTRA fiber ropes for buoy systems applications Woods Hole Oceanog. Inst. Tech. Rept. WHOI-88-32. Woods Hole Oceanog. Inst., Woods Hole, MA.

1987

Bocconcelli, A. (ed.) 1987. Real-time Environmental Arctic Monitoring (R-TEAM): Interim Report. Woods Hole Oceanog. Inst. Tech. Rept. WHOI-87-50. Woods Hole Oceanog. Inst., Woods Hole, MA, 66 pp.

MEETING PRESENTATIONS:

2015

Bocconcelli, A., L. Hickmott, R. Landea Briones, G. Howes and L. Sayigh. "Blue whales (*Balenoptera musculus*) in the Canal Moraleda and Golfo Cocovado, Chile." MTS/IEEE OCEANS'15 Genova Conference, Genova, Italy, 18-21 May. Oral presentation.

Carroll, A., L. Sayigh, M. Baumgartner, J. Partan, **A. Bocconcelli**, T. Silva and M. Moore. "Development of an acoustic mass stranding alert system in Wellfleet Harbor." Watkins Memorial Marine Mammal Bioacoustics Symposium, New Bedford, MA, 27-29 Mar. Poster presentation.

2012

Wiley, D. and **A. Bocconcelli**. "DTag Case Study for Marine Mammal Tracking." Marine and Oceanographic Technology Network Technologies for Stellwagen Bank National Marine Sanctuary Research and Beyond, Fall River, MA, 16 May. Oral presentation.

2011

Jensen, F.H., **A. Bocconcelli**, A. Cañadas, L.S. Hickmott, N. MacFarlane, L. Sayigh and P.L. Tyack. "Acoustic coordination mechanisms in long-finned pilot whales (*Globicephala melas*)." The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Oral presentation.

- Kleivane, L., **A. Bocconcelli**, P.H. Kvadsheim and M. Pelletier. "The Aerial Rocket Tag system (ARTS) for tagging marine mammals." The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Poster presentation.
- Kleivane, L., **A. Bocconcelli**, P.H. Kvadsheim, M. Pelletier and P. Miller. "The Aerial Rocket Tag System (ARTS) – A novel tool for tagging marine mammals." Effects of Sound in the Ocean on Marine Mammals (ESOMM) Conference, Amsterdam, The Netherlands, 5-9 Sept. Poster presentation.
- Parks, S.E., C.F. Hotchkin, D. Wiley, M. Weinrich and **A. Bocconcelli**. "Behavioral differences of foraging North Atlantic right and humpback whales: implications for passive acoustic monitoring." The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Poster presentation.
- Sayigh, L., F. Jensen, A. Cañadas, L. Hickmott, **A. Bocconcelli**, W. Lange, N. MacFarlane and P. Tyack. "Contexts of stereotyped call production in long-finned pilot whales (*Globicephala melas*)." The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Oral presentation.
- Shorter, K.A., L. Howle, M. Johnson, D. Nowacek, **A. Bocconcelli**, T. Hurst and M. Moore. "Modeling and analysis of fluid flow around a suction cup bio-logging tag." The Society for Marine Mammalogy 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida, 27 Nov.-2 Dec. Oral presentation.

2010

- Bocconcelli, A.** "Mediterranean '09 Project." European Union Agency for the Protection of Marine Mammals in the Mediterranean Sea (ACCOBAMS) Scientific Committee meeting, Casablanca, Morocco, Jan. Oral presentation.

2009

- Bocconcelli, A.**, M. Johnson and T. Hurst. "A Low Cost Digital Acoustic Monitoring Device (DMON)." The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, Oct. Poster presentation.
- Bocconcelli, A.**, M. Johnson and T. Hurst. "A Novel Passive Acoustic Monitoring Tool: the Digital Acoustic Monitor (D-MON)." The Society for Marine Mammalogy 18th Biennial Conference on the Biology of Marine Mammals, Quebec City, Canada, 12-16 Oct. Poster presentation.

2007

- Tyack, P.T., A. Hansen, and **A. Bocconcelli**. "Studying response of beaked and other whales to sonar and other sounds." The Strategic Environmental Research and Development Program (SERDP) and the Environmental Security Technology Certification Program's (ESTCP's) Partners in Environmental Technology Technical Symposium and Workshop, Washington, DC, 4-6 Dec. Poster presentation.

2003

- Biassoni, N., P. Miller, M. Podesta, M. Johnson, A. Sturlese, P. Tyack and **A. Bocconcelli**. "Behavioral observations and non-invasive tagging of Cuvier's beaked whales, *Ziphius cavirostris*, in the Ligurian Sea." Meeting of the European Cetacean Society, Gran Canaria, Spain. 9-13 Mar.

2002

- Haviland, G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. "Noisome noise: Recreational boating traffic and bottlenose dolphins, *Tursiops truncatus*, in the Wilmington, North Carolina Intracoastal Waterway." Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS) 2002, Conway, SC, 12-14 Apr. Oral presentation (G. Haviland, presenter).

Haviland, G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. "Recreational boating traffic and environmental noise in the Wilmington, North Carolina Intracoastal Waterway: potential implications for bottlenose dolphins." Marine Technology Society Oceans 2002 Conference, Biloxi, MS, Oct. Oral presentation (A. Frankel, presenter).

2001

Bocconcelli, A., J. Murray and C. Powell. "A Low Cost Real-Time Link For A Coastal Research Vessel." MTS/IEEE Oceans 2001 Conference, Honolulu, Hawaii, 5-8 Nov. Oral presentation (C. Powell, presenter).

Haviland, G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. "Mapping Total Environmental Exposure of Bottlenose Dolphins, *Tursiops truncatus*, in the Wilmington Intracoastal Waterway." Southeast and Mid-Atlantic Marine Mammal Symposium (SEAMAMMS) 2001, Beaufort, N.C., Apr. Poster presentation.

Haviland, G., L. Sayigh, A. Frankel, C. Powell, **A. Bocconcelli** and R. Herman. "Mapping Total Environmental Sound Exposure of Bottlenose Dolphins, *Tursiops truncatus*, in the Wilmington, North Carolina Intracoastal Waterway." 14th Biennial Conference on the Biology of Marine Mammals, Vancouver, Canada, 28 Nov.-3 Dec. Poster presentation.

2000

Avanzini, C., N. Bazzurro, **A. Bocconcelli** et al. "Aquarius: Aqua-Receiving Information From Underwater Sensors." International MWWD Conference 2000, Genoa, Italy, 1 Dec. Poster presentation.

Bocconcelli, A., C. Powell, J. Murray, R. Beavers and L. Cahoon. "The South Atlantic Bight Monitoring Program." Marine Technology Society Conference, Providence, RI, Sept. Oral presentation (C. Powell, presenter).

Johnson, M., **A. Bocconcelli** and P. Domenichini. "Shallow Water Acoustics Communication: A Reality for the Control of Outfall Operation." International MWWD Conference 2000, Genoa, Italy, 1 Dec. Oral presentation (A. Bocconcelli, presenter).

1998

Bocconcelli, A. and C. Powell. "Converting A Fishing Vessel Into A Research Vessel." Marine Technology Society Conference, Baltimore, MD, Nov. Oral presentation.

Bocconcelli, A. and C. Powell. "The Research Vessel *Cape Fear*." Southeastern Estuarine Research Society, Georgetown, SC, 15-17 Oct. Poster presentation.

Sayigh, L., K. Urian, **A. Bocconcelli**, D. Koster, G. Jones, K. Halbrook, A. Read. "Photo-identification and acoustic monitoring of bottlenose dolphins near Wilmington, NC: Evidence for residency and extended home range". World Marine Mammal Science Conference, Monaco, Jan. Poster presentation.

1997

Sayigh, L.S., K. Urian, **A. Bocconcelli**, G. Jones, D. Koster, K. Halbrook and A. Read. "Photo-identification of dolphins near Wilmington, NC." 5th Atlantic Coastal Dolphin Conference, Wilmington, NC, 5 Apr. Oral presentation (L. Sayigh, presenter).

1996

Bocconcelli, A. "Marine science at the University of North Carolina at Wilmington." Marine Technology Society, Fort Lauderdale, FL. Oral presentation.

Sayigh, L.S. and **A. Bocconcelli**. "The potential for use of acoustic recordings as a supplement to photo-identification." Fourth Annual Atlantic Coastal Dolphin Conference, Charleston, SC, 23 Mar. Oral presentation (L. Sayigh, presenter).

1994

Paul, W. and **A. Bocconcelli**. “A new electromechanical compliant link for use with buoy moorings.” Marine Technology Society’s Undersea Cable and Connector Conference, Monterey, CA. Oral presentation (W. Paul and A. Bocconcelli, presenters).

1991

Bocconcelli, A. “A novel hemispherical surface buoy.” Buoy Technology Workshop, Woods Hole, MA. Oral presentation.

Bocconcelli, A., H. Berteaux, D. Frye and B. Prindle. “A long-term evaluation of mooring components and underwater telemetry techniques.” Marine Technology Society OCEANS ’91 Conference, New Orleans, LA. Oral presentation.

1990

Bocconcelli, A., E. Denton, D. Frye and S. Kery. “Low-cost solar powered satellite telemetry buoy designs.” Ocean Sciences Meeting (AGU-ASLO), New Orleans, LA. Poster presentation.

Kery, S. “Severe environment surface mooring (SESMOOR).” Deep Ocean Technology Symposium (SEG-USN), Stennis Space Center, MS. Oral presentation (A. Bocconcelli, presenter).

1989

Bocconcelli, A. “Engineering surface oceanographic mooring (ESOM).” Marine Technology Society, Seattle, WA. Oral presentation.

PROFESSIONAL SOCIETIES:

Marine Technology Society

LANGUAGES:

Fluent in Italian, proficient in Spanish

INVITED LECTURES:

- 2012 CIMA Research Foundation (Savona, Italy), Latest discoveries on the ecology of the Cuvier’s beaked whale
- 2010 WHOI (for Science Made Public series), lecture on The Right Whales of Cape Cod
- 2009 WHOI (for Science Made Public series), lecture on Deep-diving Beaked Whales with DTAGs
- 2009 Aquarium of Genoa (Italy), Deep-diving Whales of the Ligurian Sea
- 2009 Friends of the Sea Association, Sestri Levante (Italy), Marine Mammals of the Ligurian Sea
- 2001 University of North Carolina at Wilmington: Center for Marine Science inauguration
- 2000 U.S. Power Squadron: lecture on Marine Research Operations
- 2000 University of North Carolina at Wilmington: lectures to Marine Mammal class
- 1998 University of North Carolina at Wilmington: lectures to Marine Chemistry class
- 1998 University of North Carolina at Wilmington: lectures to Research Methods in Geology
- 1998 University of North Carolina at Wilmington Summer Ventures: lecture to Oceanography
- 1998 University of North Carolina at Wilmington: two lectures to Undersea Technology class
- 1997 Bald Head Island Conservancy Annual Meeting
- 1997 University of North Carolina at Wilmington: lectures to Marine Mammal class
- 1997 University of North Carolina at Wilmington: lecture to Honors Oceanography class
- 1997 University of North Carolina at Wilmington: two lectures to Undersea Technology class
- 1996 University of North Carolina at Wilmington: biology department seminar
- 1996 University of North Carolina at Wilmington: lectures to Undersea Technology class
- 1995 University of North Carolina at Wilmington: lectures to Marine Mammal class
- 1992 Sea Education Association, Woods Hole, MA; two lectures on ocean engineering

1987 Massachusetts Institute of Technology, Cambridge, MA; Ocean Engineering seminar series

HOBBIES AND RELEVANT ACTIVITIES:

Sailing: I have owned a sailboat since I was 12 years old. I now own a 52 feet sloop which I have sailed extensively with my family in New England and Bay of Fundy, Canada. I have competed in many regattas in Italy, USA, and Bermuda. I am a member of the Woods Hole Yacht Club, MA.

Rowing: I rowed for several years on my own town rowing team in Italy, 4 plus on fixed seat racing launches.

Boatbuilding: I built a wooden Seagull dory which I row daily during the summer.

I also enjoy gardening, walking, and exploring the world with my family.

2012-present Member of the Woods Hole Yacht Club Board of Directors

2009-present Member of the Diversity Committee at WHOI

2000-2003 Trustee for the Friends School of Wilmington, NC

1997-2002 Trustee for the Masonboro Island Society, Wilmington, NC