



Jonathan H.N. van Senten, PhD
Curriculum Vitae

Virginia Seafood AREC
Virginia Polytechnic Institute and State University
102 S King St. Hampton, VA 23669
jvansenten@vt.edu
757-727-4861 (Office) / 954-297-7940 (Cell)

Education

Ph.D. Aquaculture/Fisheries, University of Arkansas at Pine Bluff (2016)

MPS, Marine Affairs & Policy: Aquaculture, University of Miami RSMAS (2012)

Bachelor of Science (BS), Marine Biology, Minor: Chemistry, Barry University (2010)

Professional Experience

Assistant Professor, Virginia Seafood AREC, Department of Agricultural and Applied Economics, Virginia Polytechnic Institute and State University. Hampton, VA.
(December 2018-present)

Research Scientist, Virginia Seafood AREC, Virginia Polytechnic Institute and State University. Hampton, VA. (May 2018-December 2018)

Postdoctoral Associate, Virginia Seafood AREC, Virginia Polytechnic Institute and State University. Hampton, VA. (August 2016-May 2018)

Graduate Research Assistant, Aquaculture/Fisheries Center, University of Arkansas at Pine Bluff. Pine Bluff, Arkansas. (August 2013-June 2016)

Research Intern, Fisheries and Aquaculture Department, Food and Agriculture Organization (FAO) of the United Nations. Rome, Italy. (August 2012 – November 2012)

Research Assistant, University of Miami Experimental Hatchery, University of Miami. Key Biscayne, Florida. (July 2011 – August 2012)

Research Assistant, National Resource for Aplysia, University of Miami. Key Biscayne, Florida. (June 2011 – December 2011)

Research Assistant, Dr. Allen Sanborn, Barry University. Miami Shores, Florida.
(January 2009 – January 2010)

Summary of activities

Grants Funded	7
Value of grants funded	\$1,879,661
Journal Publications	3 published / 3 in preparation

Extension publications	17
Published abstracts	24
Presentations	54
Workshops	3

Dissertation

The costs and impacts of the regulatory environment on U.S. producers of baitfish and sportfish.

Publications

van Senten, J. and C.R. Engle. 2017. The costs of regulations on U.S. baitfish and sportfish producers. *Journal of the World Aquaculture Society* 48(3). DOI:10.1111/jwas.12416.

van Senten, J., Dey, M., Engle, C.R. Effects of regulations on technical efficiency of U.S. baitfish and sportfish producers. 22:3, 284-305. DOI: 10.1080/13657305.2018.1454539.

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. A uniform health code for aquaculture farms: an economic analysis of potential farm-level costs and benefits. DOI: 10.1016/j.prevetmed.2018.05.007

Manuscripts in preparation

Engle, C.R. and van Senten, J. The effects of regulations on the U.S. trout industry. (*submitted*)

van Senten, J., Engle, C.R., Dey, M. The economic contribution of the baitfish and sportfish industry on the state of Arkansas. (*in preparation*)

van Senten, J. and Engle, C.R. The effects of regulations on the West Coast shellfish industry. (*in preparation*)

Extension Publications

DiMaggio, M.A., Groover, E.M., Schwarz, M., van Senten, J. Species Profile: Clownfish. Southern Regional Aquaculture Center Species Profile. October 1, 2017.

van Senten, J., Engle, C.R. Infographic: National Baitfish and Sportfish Regulatory Costs. AREC-219 (AREC-225). Virginia Cooperative Extension. July 25, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-219/AREC-219.html>

van Senten, J., Engle, C.R. Infographic: South East Region Baitfish and Sportfish Regulatory Costs. AREC-222. Virginia Cooperative Extension. April 24, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-222.html>

van Senten, J., Engle, C.R. Infographic: South Central Region Baitfish and Sportfish Regulatory Costs. AREC-221. Virginia Cooperative Extension. April 24, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-221.html>

- van Senten, J., Engle, C.R. Infographic: Great Lakes Region Baitfish and Sportfish Regulatory Costs. AREC-220. Virginia Cooperative Extension. April 24, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-220.html>
- van Senten, J., Engle, C.R. Infographic: Wisconsin Baitfish and Sportfish Regulatory Costs. AREC-218. Virginia Cooperative Extension. April 18, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-218.html>
- van Senten, J., Engle, C.R. Infographic: Pennsylvania Baitfish and Sportfish Regulatory Costs. AREC-217. Virginia Cooperative Extension. April 18, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-217.html>
- van Senten, J., Engle, C.R. Infographic: Ohio Baitfish and Sportfish Regulatory Costs. AREC-216. Virginia Cooperative Extension. April 18, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-216.html>
- van Senten, J., Engle, C.R. Infographic: North Carolina Baitfish and Sportfish Regulatory Costs. AREC-215. Virginia Cooperative Extension. April 18, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-215.html>
- van Senten, J., Engle, C.R. Infographic: New York Baitfish and Sportfish Regulatory Costs. AREC-214. Virginia Cooperative Extension. April 12, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-214.html>
- van Senten, J., Engle, C.R. Infographic: Florida, Illinois, Texas, and Kansas Baitfish and Sportfish Regulatory Costs. AREC-213. Virginia Cooperative Extension. April 12, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-213.html>
- van Senten, J., Engle, C.R. Infographic: Arkansas Baitfish and Sportfish Regulatory Costs. AREC-212. Virginia Cooperative Extension. April 12, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-212.html>
- van Senten, J., Engle, C.R. Infographic: Alabama Baitfish and Sportfish Regulatory Costs. AREC-211. Virginia Cooperative Extension. April 10, 2017.
<http://pubs.ext.vt.edu/AREC/AREC-220/AREC-211.html>
- van Senten, J., Engle, C.R., Smith, M. Cost of regulations on producers of baitfish and sportfish in Ohio. Buckeye Aquafarming. Ohio State University Extension. Ohio State University South Centers. Vol. 2, No. 1. April, 2017.
- van Senten, J., Engle, C.R., Dey, M.M., Roy, L.A., Kelly, A.M. Inefficiency factors and economic impact of baitfish and sportfish production. Arkansas Aquafarming. April, 2017. 34(1): 5-6.
- van Senten, J., Engle, C.R., Kelly, A.M., Roy, L.A. Cost of regulations on producers of baitfish and sportfish in Arkansas. ETB 261, Cooperative Extension Program, University of Arkansas at Pine Bluff, Pine Bluff, Arkansas. December, 2016. ETB261-PD-12-2016N

van Senten, J., Engle, C.R., Roy, L.A., Kelly, A.M. The cost and impact of regulations on baitfish and sportfish aquaculture. *Arkansas Aquafarming*. October, 2016. 33(3):1-2.

Invited Column

van Senten, J., and Engle, C.R. The regulatory cost burden on U.S. baitfish/sportfish farms. *Aquaculture Magazine*. August 2, 2017. Volume 43(4):64-66.

Magazine and Newsletter Articles

Engle, C.R. and van Senten, J. Measuring the costs of regulations in aquaculture. *Fish Farming News*. August 2018. Volume 25(4):17-18.

Published Abstracts

van Senten, J., Engle, C.R. The effects of regulations on west coast shellfish farms. Pacific Coast Shellfish Growers Association Meeting 2018. Blaine, Washington. (*September 2018*)

van Senten, J., Engle, C.R. The cost of regulatory compliance on west coast shellfish farms. National Shellfish Association Meeting 2018. Seattle, Washington. (*March 2018*)

van Senten, J., Engle, C.R. The farm level effects of regulations on U.S. trout producers. *Aquaculture America 2018*. Las Vegas, Nevada. (*February 2018*)

van Senten, J., Engle, C.R. The cost of regulatory compliance on west coast shellfish farms: effects and impacts. *Aquaculture America 2018*. Las Vegas, Nevada. (*February 2018*)

van Senten, J., Engle, C.R. The effects of regulations on U.S. trout producers. *Aquaculture America 2018*. Las Vegas, Nevada. (*February 2018*)

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Improved profitability through better animal health? Potential impacts of a uniform code for commercial aquatic animal health. *Aquaculture America 2018*. Las Vegas, Nevada. (*February 2018*)

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Is there an incentive for participation in a uniform health standard for aquaculture farms? *Aquaculture America 2018*. Las Vegas, Nevada. (*February 2018*)

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Increasing profitability through better animal health: potential impacts of a uniform code for commercial aquatic animal health. 147th American Fisheries Society Meeting. Tampa, Florida. (*August 2017*)

van Senten, J., Engle, C.R. The regulatory burden: types of economic effects on west coast shellfish farms. National Shellfish Association. Memphis, Tennessee. (*March 2017*)

van Senten, J., Dey, M., and Engle, C.R. The effects of regulations on efficiency of U.S. baitfish and sportfish farms. *Aquaculture America 2017*. San Antonio, Texas. (*February 2017*)

- van Senten, J. and Engle, C.R. The economic contribution of the baitfish and sportfish industry to the state of Arkansas. Aquaculture America 2017. San Antonio, Texas. (*February 2017*)
- van Senten, J. and Engle, C.R. Quantifying the costs of regulations on U.S. baitfish and sportfish Growers. 60th Rural Life Conference. Pine Bluff, Arkansas. (*March 2016*)
- van Senten, J. and Engle, C.R. The potential impacts of a uniform commercial aquatic animal health code. Aquaculture America 2016. Las Vegas, Nevada. (*February 2016*)
- van Senten J. Opportunities for graduate students to maximize their resume. Aquaculture America 2016. Las Vegas, Nevada. (*February 2016*)
- van Senten, J. and Engle, C.R. The Costs of fish health testing regulations on U.S. producers of baitfish and sportfish. Aquaculture America 2016. Las Vegas, Nevada. (*February 2016*)
- van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Aquaculture America 2016. Las Vegas, Nevada. (*February 2016*)
- van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Southern Division American Fisheries Society Meeting. Wheeling, West Virginia. (*February 2016*)
- van Senten, J. and Engle, C.R. The potential impacts of a uniform commercial aquatic animal health code. Arkansas Bait and Ornamental Fish Farmers Meeting. Lonoke, Arkansas. (*February 2016*)
- van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Mid-Continent Warmwater Fish Culture Workshop. Ashland, Nebraska. (*February 2016*)
- van Senten, J. and Engle, C.R. The costs and impacts of regulations. University of Arkansas at Pine Bluff Chamber of Commerce Tour. Pine Bluff, Arkansas. (*June 2015*)
- van Senten, J. and Engle, C.R. Quantifying the impacts of the regulatory environment on United States baitfish and sportfish aquaculture. Aquaculture America 2015. New Orleans, Louisiana. (*February 2015*)
- van Senten, J. and Engle, C.R. The costs and impacts of regulations. Arkansas Bait and Ornamental Fish Farmers Meeting. Lonoke, Arkansas. (*February 2015*)
- van Senten J. Contributing to the development of a new FAO code of conduct for responsible fisheries (CCRF) aquaculture questionnaire. Aquaculture America 2014. Seattle, Washington. (*February 2014*)
- van Senten, J. and Engle, C.R. Estimating costs and impacts of regulations on U.S. baitfish and sportfish growers. Aquaculture Fisheries Center Field Day. (*October 2014*)

Grants and Contracts (Funded)

Engle, C., Schwarz, M.H., van Senten, J., Karunakaran, G., DiMaggio, M. Pathways for revitalizing U.S. Aquaculture: Reducing Regulatory Inefficiencies While Ensuring Sustainability and Social Responsibility. USDA NIFA. \$299,998. (*Co-P.I. status*)

Schwarz, M., van Senten, J., Engle, C.R. 2018-2020. Maine aquaculture economics benchmarking study. Maine Aquaculture Association. \$84,473. (*Co-P.I. status*)

Villalba A., van Senten, J., Haugen, I., Nerrie, B., Liu, C. 2018-2020. Assessing consumer perceptions, attitudes, knowledge, and barriers towards consumption of captured and cultured seafood in Virginia and Maryland. DELMARVA. \$26,890. (*Co-P.I. status*)

Schwarz, M., Lane, R., Villalba, A., van Senten, J. 2018-2020. Virginia Seafood Agricultural Research and Extension Center and Virginia Seafood Extension Program. Virginia Sea Grant. \$200,000. (*Co-P.I. status*)

Blaylock, R., Saillant, E., Schwarz, M., DiMaggio M., Henry, E., Engle, C., van Senten, J. Commercializing intensive copepod culture: a transformational foundation essential for increasing domestic high-value marine finfish. NOAA, National Sea Grant. \$999,000. (*Co-P.I. status*)

Kuhn, D., Ellis, R., Gatlin, D., Engle, C., Schwarz, M.H., van Senten, J., Browdy, C., Sun, M. Evaluation of protein and lipid concentrations in commercially available tilapia feeds and their effect in intensive production systems. Southern Regional Aquaculture Center. 2017-2018. \$200,000. (*Co-P.I. status*)

Engle C.R., van Senten, J. Economic impact of implementing a commercial aquaculture health code and consistent health requirements for farm-raised aquatic animals in the U.S. USDA APHIS (2014-2015). Cooperative Agreement Award No.14-9200-0403-CA. Final Report: October 31, 2015. Pg. 1-127. \$69,300.

Grants and Contracts in Development (Submitted)

Kumar, G., Engle, C., Schwarz, M.H., van Senten, J. Economic Impact Assessment and Monitoring Progress of Technology Adoption in the U.S. Catfish Industry. Southern Regional Aquaculture Center. \$250,000. (*Co-P.I. status*) – **PENDING**

Engle, C., van Senten, J., M. Schwarz, M. Parker, D. Webster. Analysis of the Economic Benefits of the Maryland Shellfish Aquaculture Industry. Chesapeake Bay Foundation. \$55,000 (*Co-P.I. status*) – **PENDING**

Workshops

Engle, C.R. and van Senten, J. Aquaculture Economics & Marketing Workshop: Aquaculture and Aquaponics. Ohio State University South Centers. Columbus, Ohio. (*July 2017*)

Engle, C.R., Kumar, G., van Senten, J. Business Planning. Aquaculture America 2016. Las Vegas, Nevada. (*February 2016*)

van Senten, J and Engle, C.R. with collaboration from USDA APHIS. A Summary of Regulatory Costs on United States Baitfish and Sportfish Aquaculture. University of Arkansas at Pine Bluff. Lonoke, Arkansas (*September 2015*)

Presentations

Invited presentations

van Senten, J., Engle, C.R. Costs and effects of the regulatory environment on U.S. trout aquaculture. Colorado Aquaculture Association Meeting. Nathrop, Colorado. (*February 1, 2019*)

van Senten, J., Engle, C.R. Regulatory effects on the value of shellfish aquaculture. 45th East Coast Commercial Fisherman's & Aquaculture Trade Exposition. (*January 19, 2018*)

van Senten, J., Engle, C.R. Quantifying regulatory costs for the shellfish industry. Harold Haskin Fisherman's Forum Series. Cape May, New Jersey. (*December 13, 2018*)

van Senten, J, Engle, C.R., The effects of the regulatory environment on U.S. aquaculture producers. USDA ERS. Washington, D.C. (*April 19, 2018*)

Engle, C.R., van Senten, J. Why are U.S. aquaculture producers so concerned about regulations? Interagency Working Group on Aquaculture. Washington D.C. (*April 19, 2018*)

Engle, C.R., van Senten, J. Farm financial health. Wisconsin Aquaculture Conference. Marshfield, Wisconsin. (*March 3, 2018*)

Engle, C.R., van Senten, J. Strategic marketing: Finding your key markets & choosing products for those markets. Wisconsin Aquaculture Conference. Marshfield, Wisconsin. (*March 3, 2018*)

Engle, C.R., van Senten, J. Adapting to ever-changing market demands. Wisconsin Aquaculture Conference. Marshfield, Wisconsin. (*March 3, 2018*)

van Senten, J., Engle, C.R. What is the regulatory cost burden on Wisconsin baitfish/sportfish farms? Wisconsin Aquaculture Conference. Marshfield, Wisconsin. (*March 2, 2018*)

van Senten, J., Engle, C.R. The farm level effects of regulations on U.S. trout producers. Aquaculture America 2018. Las Vegas, Nevada. (*February 22, 2018*)

van Senten, J. Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Is there an incentive for participation in a uniform health standard for aquaculture farms? Aquaculture America 2018. Las Vegas, Nevada. (*February 22, 2018*)

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Improved profitability through better animal health? Potential impacts of a uniform code for commercial aquatic animal health. Aquaculture America 2018. Las Vegas, Nevada. *(February 20, 2018)*

van Senten, J., Engle, C.R. What is the regulatory cost burden on Ohio baitfish/sportfish farms? Ohio Aquaculture Association Conference. *(January 27, 2018)*

Engle, C.R., van Senten, J. Adapting to everchanging market demands. Ohio Aquaculture Association Conference. *(January 26, 2018)*

van Senten, J., Engle, C.R. How much does government cost the shellfish industry? 44th East Coast Commercial Fisherman's & Aquaculture Trade Exposition. *(January 13, 2018)*

van Senten, J., Engle, C.R., Schwarz, M.H., Mullins, C. Commercial Aquaponics. Putting Down Roots Aquaponics Conference. Portland, Oregon. *(November 4, 2017)*

van Senten, J., Engle, C.R., Hartman, K., Johnson, K., Gustafson, L. Increasing profitability through better animal health: potential impacts of a uniform code for commercial aquatic animal health. 147th American Fisheries Society Meeting. Tampa, Florida. *(August 21, 2017)*

van Senten, J., Engle, C.R. What is the regulatory cost burden on Ohio baitfish/sportfish farms? Aquaculture Economics & Marketing Workshop. Columbus, Ohio. *(July 15, 2017)*

van Senten, J., Engle, C.R. The regulatory burden: types of economic effects on west coast shellfish farms. National Shellfish Association Meeting. Memphis, Tennessee. *(March 28, 2017)*

van Senten, J. How to mix water and electricity: musings by a millennial. Plenary speaker. Aquaculture America 2017. San Antonio, Texas. *(February 20, 2017)*

van Senten, J., Johnson, K., Gustafson, L., Hartman, K. Cost-benefit analysis of commercial aquaculture health program standards (CAHPS) pilot projects. Aquaculture America 2017. *(February 20, 2017)*

Engle, C.R., van Senten, J. Update on regulatory cost studies. National Aquaculture Association Board Meeting. San Antonio, Texas. *(February 19, 2017)*

Engle, C.R., van Senten, J. Economic Contributions of the Arkansas Bait and Sportfish Industry. Arkansas Bait and Ornamental Fish Growers Association. Lonoke, Arkansas. *(February, 2017)*

Engle, C.R., van Senten, J. Regulatory Effects on the Economic Efficiency of Bait and Sportfish Farming. Arkansas Bait and Ornamental Fish Growers Association. Lonoke, Arkansas. *(February, 2017)*

van Senten, J., Engle, C.R. The cost of regulations affecting U.S. trout aquaculture. Colorado Aquaculture Association Meeting. Nathrop, Colorado. *(February 3, 2017)*

van Senten, J., Engle, C.R., Fornshell, G., Conte, F., Hanshumaker, B., Hudson, B., Schwarz, M. The cost and impact of regulations on shellfish aquaculture. 70th Annual Shellfish Growers Conference and Tradeshow. Lake Chelan, Washington. *(October 12, 2016)*

Engle, C.R. and van Senten, J. Fish farming costs: how much is due to regulations? Fall Meeting of the United States Trout Farmers Association and Penn Aqua. Bethlehem, Pennsylvania. (September 7, 2016)

Engle, C.R., and van Senten, J. Fish farming costs: how much is due to regulations? Idaho Aquaculture Association Annual Meeting. Twin Falls, Idaho. (June 11, 2016)

van Senten, J. and Engle, C.R. The potential impacts of a uniform commercial aquatic animal health code. Aquaculture America 2016. Las Vegas, Nevada. (February 26, 2016)

Technical presentations

van Senten, J., Engle, C.R. Quantifying the farm level effects of regulations on the U.S. aquaculture industry. Department of Agricultural and Applied Economics, Virginia Tech. Blacksburg, Virginia. (October 19, 2018)

van Senten, J., Engle, C.R. The cost of regulatory compliance on west coast shellfish farms: effects and impacts. Aquaculture America 2018. Las Vegas, Nevada. (February 22, 2018)

van Senten, J., Engle, C.R. The effects of regulations on U.S. trout producers. Aquaculture America 2018. Las Vegas, Nevada. (February 20, 2018)

van Senten, J., Dey, M., and Engle, C.R. The effects of regulations on efficiency of U.S. baitfish and sportfish farms. Aquaculture America 2017. San Antonio, Texas. (February 21, 2017)

van Senten, J. and Engle, C.R. The economic contribution of the baitfish and sportfish industry to the state of Arkansas. Aquaculture America 2017. San Antonio, Texas. (February 21, 2017)

van Senten, J. and Engle, C.R. Quantifying the costs of regulations on U.S. baitfish and sportfish Growers. 60th Rural Life Conference. Pine Bluff, Arkansas. (March 4, 2016) (Poster)

van Senten J. Opportunities for graduate students to maximize their resume. Aquaculture America 2016. Las Vegas, Nevada. (February 25, 2016)

van Senten, J. and Engle, C.R. The Costs of fish health testing regulations on U.S. producers of baitfish and sportfish. Aquaculture America 2016. Las Vegas, Nevada. (February 24, 2016)

van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Aquaculture America 2016. Las Vegas, Nevada. (February 24, 2016)

van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Southern Division American Fisheries Society Meeting. Wheeling, West Virginia. (February 20, 2016)

van Senten, J. and Engle, C.R. Costs of the U.S. regulatory environment on baitfish and sportfish aquaculture. Mid-Continent Warmwater Fish Culture Workshop. Ashland, Nebraska. (February 2, 2016)

van Senten, J. and Engle, C.R. Quantifying the impacts of the regulatory environment on United States baitfish and sportfish aquaculture. Aquaculture America 2015. New Orleans, Louisiana. (February 22, 2015)

van Senten J. Contributing to the development of a new FAO code of conduct for responsible fisheries (CCRF) aquaculture questionnaire. Aquaculture America 2014. Seattle, Washington. *(February 12, 2014)*

van Senten, J. and Engle, C.R. Estimating costs and impacts of regulations on U.S. baitfish and sportfish Growers. Aquaculture Fisheries Center Field Day. *(October 2, 2014)*

Industry and stakeholder presentations

van Senten, J., Engle, C.R. The effects of regulations on West Coast shellfish producers. Pacific Shellfish Growers Association Meeting. Blaine, Washington. *(September 19, 2018)*

Engle, C.R., van Senten, J. The effects of regulations on U.S. trout producers. United States Trout Farmer Association Meeting 2018. Shepherdstown, West Virginia. *(September 6, 2018)*

van Senten, J., Engle, C.R. The farm level effects of regulations on U.S. trout producers. Idaho Aquaculture Association 2018. Twin Falls, Idaho. *(June 2, 2018)*

van Senten, J., Engle, C.R. The cost of regulatory compliance on west coast shellfish farms. National Shellfish Association 2018. Seattle, Washington. *(March 22, 2018)*

van Senten, J., Engle, C.R., Schwarz, M.H., Mullins, C. Aquaponics economics. Virginia Aquaculture Conference. Newport News, Virginia. *(November 18, 2017)*

van Senten, J., Engle, C.R. Regulations from a producer perspective. Virginia Aquaculture Conference. Newport News, Virginia. *(November 18, 2017)*

Kuhn, D., Schwarz, M.H., Urick, S., van Senten, J., Engle, C., Nerrie, B., Crosby, D., Mullins, C. Virginia Aquaculture Research and Extension Updated 2016-2017. Virginia Aquaculture Conference. Newport News, Virginia. *(November 18, 2017)*

Engle, C.R., Fornshell, G., Conte, F., Hanshumaker, B., Hudson, B., Schwarz M.H., van Senten, J. The economic impact of regulations on shellfish and trout aquaculture growth in the western United States. Western Regional Aquaculture Center Meeting. Spokane, Washington. *(October 4, 2017)*

van Senten, J., Engle, C.R. West coast shellfish cost of regulatory compliance project update. Western Regional Aquaculture Center Meeting. Spokane, Washington. *(October 3, 2017)*

Engle, C.R. and van Senten, J. On the road to measuring the regulatory burden on U.S. trout farms. United States Trout Farmers Association Meeting. Twin Falls, Idaho. *(September 22, 2017)*

van Senten, J. and Engle, C.R. The potential impacts of a uniform commercial aquatic animal health code. Arkansas Bait and Ornamental Fish Farmers Meeting. Lonoke, Arkansas. *(February 11, 2016)*

van Senten, J. and Engle, C.R. The costs and impacts of regulations. University of Arkansas at Pine Bluff Chamber of Commerce Tour. Pine Bluff, Arkansas. *(June 2, 2015)*

van Senten, J. and Engle, C.R. The costs and impacts of regulations. Arkansas Bait and Ornamental Fish Farmers Meeting. Lonoke, Arkansas. *(February, 5, 2015)*

van Senten, J. and Engle, C.R. The costs and impacts of regulations. Kansas Aquaculture Association Meeting. McPherson, Kansas. (*January 24, 2015*)

van Senten, J. and Engle, C.R. The costs and impacts of regulations. Texas Aquaculture Association Meeting. Fredericksburg, Texas. (*January 22, 2015*)

Guest Lecturer

van Senten J. Graduate Seminar. The costs of regulations on producers of baitfish and sportfish in the United States. (*February 6, 2016*)

Journal Article Reviewer

Journal of the World Aquaculture Society (1)

Aquaculture Economics and Management (8)

Fisheries and Aquatic Sciences (1)

Involvement with professional associations

World Aquaculture Society. Student Activities Committee. (*February 2018 - Present*)
Committee member.

United States Aquaculture Society. Finance Committee. (*February 2018 - Present*)
Committee member.

United States Aquaculture Society. Student Sub-unit Committee. (*February 2016 - Present*)
Committee member.

United States Aquaculture Society. Student Liaison. (*February 2015 - February 2016*)
2016 Student Session: Aquaculture career development and advice. 11 speakers.

United States Aquaculture Society. Assistant Student Liaison. (*February 2014 - February 2015*)
2015 Student Session: Careers in aquaculture. 6 speakers.

Student Advising and Teaching

Graduate Student Committee Member: K. Stump. Department of Agricultural and Applied Economics at Virginia Polytechnic Institute and State University. (*April 2018 - Present*)

Biology Laboratory - Undergraduate. Department of Biology. University of Arkansas at Pine Bluff. (*Fall Semester 2014*)

Affiliations

Agricultural & Applied Economics Association (*2018-present*)

National Aquaculture Association (*2016-present*)

International Association of Aquaculture Economics and Management (2013-present)

World Aquaculture Society (2013-present)

United States Aquaculture Society (2013-present)

American Fisheries Society (2016-present)

Professional and volunteer service

College of Agriculture and Life Sciences Diversity Council Committee Member. Virginia Polytechnic Institute and State University. (August 2018 - Present)

Graduate Student Association President. University of Arkansas at Pine Bluff. (January 2014-October 2015)

Aquaculture/Fisheries Center Website Committee Member. University of Arkansas at Pine Bluff. (2013-2014)

Aquaculture Fisheries Club. University of Arkansas at Pine Bluff. (2013-2016)

Certifications and Training

Ensemble: Working with Media. Virginia Polytechnic Institute and State University. (September 14, 2017)

Ensemble: Essentials. Virginia Polytechnic Institute and State University. (September 12, 2017)

Motorboat Operator Certification. United States Department of the Interior. (January 13, 2013)

Awards, Honors, and Recognitions

International Association of Aquaculture Economics and Marketing Ph.D. Best Dissertation Award (February 2017)

World Aquaculture Society Certificate of Appreciation. Aquaculture America 2016. Las Vegas, Nevada. (February 2016)

Gamma Sigma Delta, Agriculture Honor Society. University of Arkansas at Pine Bluff. (2015)

Gamma Sigma Epsilon Chemistry Honor Society, Beta Delta Chapter. Barry University. (2010)

Delta Epsilon Iota Academic Honor Society. Barry University. (2009)

Languages

English – *native proficiency*

Dutch – *native proficiency*

Papiamentu – *native proficiency*

Spanish – *speaking, reading, and writing proficiency*