

## **A.M. Silverman**

4709 West Fielder Street Tampa, FL 33611  
(727)465-6819 ASilverman13@gmail.com

### **EXPERIENCE**

---

**Chief Engineer**, USF, St. Petersburg, FL May 2010-Current  
**Electrical Engineer** Choose component and design power distribution, communications, and software for data basing, video recording, and custom front and back end web control interface for Camera Based Assessment Survey System. Work in group environment for both design and while on research vessels; including more than 60 sea days. Assist in operation of Slocum Gliders and deployment/recovery of Gliders and Comps weather buoy. Implement system integration of sensor, via data logging and interface software for optical micrometer to monitor coral growth. Add

## **PUBLICATIONS**

- Silverman, A., C. Lembke, S. Butcher, M. Lindemuth, S. Murawski (2018) "Enabling a Platform for Habitat and Marine Assessment with Real Time Monitoring and Synous Databasing" Oceans 2018 MTS/IEEE, DOI: 10.1109
- Lembke, C., D. Mann, C. Taylor, J. Gray, E Hughes, A. Silverman (2018) "Utilizing Gliders and Acoustics to Identify Fish Habitat Hotspots" Oceans 2018 MTS/IEEE, DOI: 10.1109
- Lembke, C., Grasty, S., Silverman, A., Broadbent, H., Butcher, S., Murawski, S., (2017) "The CameraBased Assessment Survey System (CBASS): A Towed Camera Platform for Reef Fish Abundance Surveys and Benthic Habitat Characterization in the Gulf of Mexico", Continental Shelf Research, DOI: 10.1016
- Lembke, C., X. Shi, A. Silverman, S. Butcher, S. Murawski, and S. Grasty (2013) "Development and Sea Trials of a New CameraBased Assessment Survey System for Reef Fish Stocks Assessment", Oceans 2013 MTS/IEEE, DOI: 10.23919/OCEANS.2013.6741218
- Panez, R., Dockendorf, K., Dubel, W., Irigoyen, E., Pietrodangelo, B., Silverman, A., Godowski, J., Schwartz, E., Nechyba, M., Arroyo, A., (2004) 'Subjuga', AUVSI and ONR's 7th International Autonomous Underwater Vehicle Competition.
- Makeev, M., Clerc, J., Panez, R., Schipper, J., Silverman, A., Trinh, V., Schwartz, E., Nechyba, M., Arroyo, A., (2003) "Subjuga", AUVSI and ONR's 7th International Autonomous Underwater Vehicle Competition.
- Silverman, A., Jimenez, L., Nechyba, M., Arroyo, A., Schwartz, E., (2003) "Hand Writing Recognition System for Musical Notes", Florida Conference on Recent Advances in Robotics

## **US COLLABORATORS (16)**

Barbieri, S., Florida Marine Research Institute  
Beckler, J., Mote Marine Laboratory  
Boswell, K., Florida International University  
Brissette, M., Teledyne Webb Research Corporation  
Broadbent, H., University of South Florida  
Buermans, J., ASL Environmental  
Caillouet, R., NOAA Fisheries  
Campbell, M., NOAA National Marine Fisheries Service, SEFSC  
Chave, R., ASL Environmental  
DeCollibus, C., Teledyne Webb Research Corporation  
Edwards, C., Skidaway Institute of Oceanography  
Garrett, M., Florida Wildlife Research Institute  
Grasty, S., University of South Florida  
Gray, J., University of South Florida  
He, R., North Carolina St. University  
Hu, J., SRI International  
Hommeyer, M., University of South Florida  
Horne, J., University of Washington  
Keenan, S., Florida Marine Research Institute  
Law, J., University of South Florida  
Lembke, C., University of South Florida  
Lindemuth, M., Stratus Video  
Locker, S., United States Geological Survey  
Mann, D., University of South Florida / Loggerhead Instruments  
Murawski, S., University of South Florida

Pearce, S ASL Environmental  
Peebles, E., University of South Florida  
Piacentini M., SRI International  
Russell, R., University of South Florida  
Seim, H., University of North Carolina Chapel Hill  
Somerton, D., NOAA National Marine Fisheries Service, AFSC