

AM. Sh

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EXPERIENCE

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

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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

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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