John Ragland

PhD Student, Electrical and Computer Engineering, University of Washington

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John-Ragland.github.io

Education

B.S. in Electrical and Computer Engineering, Auburn University 2015-2019 M.S. in Electrical and Computer Engineering, Auburn University 2019-2020 Ph.D. in Electrical and Computer Engineering, The University of Washington 2020-(2024)

Experience

- Graduate Teaching Assistant, May 2019 - May 2020
  - Auburn University
  - Undergraduate Signals and Systems
- Graduate Researcher, June 2020 - (present)
  - The University of Washington
- Summer Intern, June 2022 - September 2022
  - Applied Research in Acoustics

Publications

Ragland, John and Abadi, Shima, (2022), Exploring surface source contributions to ocean ambient noise interferometry with airgun shots, *The Journal of the Acoustical Society of America Vol. 152*, link

Ragland, John and Abadi, Shima and Sabra, Karim, (2022), Long-term noise interferometry analysis in the northeast Pacific Ocean, *The Journal of the Acoustical Society of America Vol. 151*, link

Ragland, John and Schwock, Felix and Munson, Matthew and Abadi, Shima, (2022), An overview of ambient sound using Ocean Observatories Initiative hydrophones, *The Journal of the Acoustical Society of America Vol. 151*, link

Talks

Conference Presentations

Abadi, Shima and Douglass, Alexander S. and **Ragland, John**, (2023), Comparing distributed acoustic sensing data with hydrophone recordings, *The Acoustical Society of America*, link

Alvaro, Alejandro and Schwock, Felix and **Ragland, John** and Abadi, Shima, (2021), Ship detection from passive underwater acoustic recordings using machine learning, *The Acoustical Society of America*, link

Douglass, Alexander S. and **Ragland, John** and Abadi, Shima, (2023), Overview of distributed acoustic sensing technology and recently acquired data sets, *The Acoustical Society of America*, link

Ragland, John and Abadi, Shima, (2021), Long-term noise interferometry analysis in the northeast Pacific Ocean, *The Acoustical Society of America*, link

Ragland, John and Abadi, Shima, (2021), Estimating ocean variables using ambient noise interferometry, *The Acoustical Society of America*, link

Ragland, John and Abadi, Shima, (2022), Exploring surface source contributions to ocean ambient noise interferometry with airgun shots, **, link

Ragland, John and Abadi, Shima, (2022), Overview of ocean ambient noise interferometry – Theory and simulation, *The Acoustical Society of America*, link

Ragland, John and Douglass, Alexander S. and Abadi, Shima, (2023), Using distributed acoustic sensing for ocean ambient sound analysis, *The Acoustical Society of America*, link

Ragland, John and Schwock, Felix and Liu, Zhaoyu and Abadi, Shima, (2022), Overview of ambient noise research and outreach with OOI hydrophones, **, link

Ragland, John and Schwock, Felix and Munson, Matthew and Abadi, Shima, (2021), An overview of ambient sound using OOI hydrophone network, *The Acoustical Society of America*, link

Ragland, John and Schwock, Felix and Munson, Matthew and Abadi, Shima, (2022), An overview of ambient sound using Ocean Observatories Initiative hydrophones, *The Acoustical Society of America*, link

Schwock, Felix and **Ragland, John** and Abadi, Shima, (2021), OOIPy: A Python toolbox for accessing and analyzing sata from the Ocean Observatories Initiative, *The Acoustical Society of America*, link

Invited Talks

Need to add section here that can input data from csv

Awards

- ASA best student paper award - second place at the ASA Nashville in underwater acoustics technical committe
- Strasberg Mury . . .