**Chad A. Greene, Ph.D.**

**NASA / Jet Propulsion Laboratory**

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**Education**

**Ph.D.** 2017, Geological Sciences, *The University of Texas at Austin*

*Thesis*: Drivers of change in East Antarctic ice shelves

**M.S.** 2010, Mechanical Engineering, *The University of Texas at Austin*

*Thesis:* Low-frequency acoustics of methane hydrates

**B.S.** 2007, Mechanical Engineering with honors, *Virginia Commonwealth University*

**Professional Experience**

Dr. Greene is a satellite remote sensing and machine learning specialist in the Sea Level and Ice Group at JPL/Caltech, where he is a member of the PREFIRE and MEaSUREs ITS\_LIVE Earth data development teams. He has conducted multiple seasons of airborne geophysical surveys in Antarctica and Greenland, and carried out ship-based science in the Arctic, Gulf of Mexico, and Baltic Sea. Dr. Greene is a prolific coder, creator of many open-source MATLAB packages, and has a passion for thorough documentation. He has served on the MathWorks Community Advisory Board and as editor of the *Proceedings of the National Academy of Sciences*.

**Employment History**

**NASA Jet Propulsion Laboratory** Pasadena, CA   
Ice Sheet and Glacier Remote Sensing Research Scientist: Jan 2023 to present   
Postdoctoral Research Fellow: Feb 2019 to Jan 2023

**Institute for Geophysics** Austin, TX  
Research Engineering/Scientist: Sept 2015 to Feb 2019  
Graduate Research & Teaching Assistant: Aug 2011 to Sept 2015

**Applied Research Laboratories** Austin, TX  
Graduate Research Assistant: Jun 2007 to Aug 2011

**Virginia Commonwealth University** Richmond, VA  
Teaching Assistant: Jan. 2007 to May 2007

**Federal Reserve Bank** Richmond, VA  
Currency Systems Engineer Intern: May 2006 to Aug 2006

**Peer-Reviewed Publications (Lead Author)**

**CA Greene** & AS Gardner. Seasonal dynamics of Earth’s glaciers and ice sheets. *Science*, in revision.

**CA Greene**, AS Gardner, M Wood, JK Cuzzone. [Ubiquitous acceleration in Greenland Ice Sheet calving from 1985 to 2022](https://www.doi.org/10.1038/s41586-023-06863-2). *Nature*, 2024.

**CA Greene** & others. [The Tide Model Driver for MATLAB](https://doi.org/10.21105/joss.06018). *Journal of Open Source Software*, 2024.

**CA Greene,** AS Gardner, NJ Schlegel, AD Fraser. [Antarctic calving loss rivals ice-shelf thinning](https://www.nature.com/articles/s41586-022-05037-w). *Nature,* 2022.

**CA Greene**, AS Gardner, LC Andrews. [Detecting seasonal ice dynamics in satellite images](https://doi.org/10.5194/tc-14-4365-2020). *The Cryosphere*, 2020.

**CA Greene** & others. [The Climate Data Toolbox for MATLAB](https://www.doi.org/10.1029/2019GC008392). *Geochemistry, Geophysics, Geosystems*, 2019.

**CA Greene** & K Thirumalai. [It’s time to shift emphasis away from code sharing](https://www.doi.org/10.1029/2019EO116357). *Eos*, 2019.

**CA Greene** & others. [Seasonal dynamics of Totten Ice Shelf controlled by sea ice buttressing](https://doi.org/10.5194/tc-12-2869-2018). *The Cryosphere*, 2018.

**CA Greene** & DD Blankenship. [A Method of Repeat Photoclinometry for Detecting Kilometer-Scale Ice Sheet Surface Evolution](https://doi.org/10.1109/TGRS.2017.2773364). *IEEE Transactions on Geoscience and Remote Sensing*, 2018.

**CA Greene** & others. [Wind causes Totten Ice Shelf melt and acceleration](https://doi.org/10.1126/sciadv.1701681). *Science Advances*, 2017.

**CA Greene**, DE Gwyther, DD Blankenship. [Antarctic Mapping Tools for Matlab](https://doi.org/10.1016/j.cageo.2016.08.003). *Computers & Geosciences*, 2017.

**CA Greene** & PS Wilson. [Laboratory investigation of a passive acoustic method for measurement of underwater gas seep ebullition](https://doi.org/10.1121/1.3670590). *Journal of the Acoustical Society of America*, 2011.

**Peer-Reviewed Publications (Contributing Author)**

K Matsuoka,…, **CA Greene**, & others. Towards an improved understanding of the Antarctic coastal zone and its contribution to future global sea level. *Reviews of Geophysics*, submitted.

KD Mankoff, **CA Greene**, & others. Ice sheet mass flows. *Journal of Glaciology*, in review.

AS Gardner, **CA Greene**, & others. ITS\_LIVE global glacier velocity data in near real time. *The Cryosphere*, in press.

LA López, AS Gardner, **CA Greene**, & others. ITS\_LIVE: [A Cloud-Native Approach to Monitoring Glaciers from Space](https://www.doi.org/10.1109/MCSE.2023.3341335). *Computing in Science & Engineering*, 2024.

B Davison,…, **CA Greene**, & others. [Annual mass budget of Antarctic ice shelves from 1997 to 2021](https://doi.org/10.1126/sciadv.adi0186). *Science Advances*, 2023.

F Paolo, AS Gardner, **CA Greene**, & others. [Widespread slowdown in thinning rates of West Antarctic ice shelves](https://doi.org/10.5194/tc-17-3409-2023). *The Cryosphere*, 2023.

I Vaňková,…, **CA Greene**, & others. [High spatial melt rate variability near the Totten Glacier grounding zone explained by new bathymetry inversion](https://doi.org/10.1029/2023GL102960). *Geophysical Research Letters*, 2023.

Y Nakayama, T Hirata, D Goldberg, **CA Greene**. [What determines the shape of a Pine-Island-like ice shelf?](https://doi.org/10.1029/2022GL101272) *Geophysical Research Letters*, 2022.

Y Nakayama, **CA Greene,** & others. [Antarctic Slope Current modulates ocean heat intrusions towards Totten Glacier](https://doi.org/10.1029/2021GL094149). *Geophysical Research Letters*, 2021.

W Wei,…, **CA Greene**, & others [Getz Ice Shelf melt enhanced by freshwater discharge from beneath the West Antarctic Ice Sheet](https://www.doi.org/10.5194/tc-14-1399-2020). *The Cryosphere*, 2020.

CF Dow, WS Lee, JS Greenbaum, **CA Greene**, & others. [Basal channels drive active surface hydrology and transverse ice-shelf fracture](https://doi.org/10.1126/sciadv.aao7212). *Science Advances*, 2018.

KM Thyng, **CA Greene**, & others. [True colors of oceanography: Guidelines for effective and accurate colormap selection](https://www.jstor.org/stable/24862699). *Oceanography*, 2016.

CJ Wilson, PS Wilson, **CA Greene**, KH Dunton. [Seagrass meadows provide an acoustic refuge for estuarine fish](https://doi.org/10.3354/meps10045). *Marine Ecology Progress Series*, 2013.

CJ Wilson, PS Wilson, **CA Greene**, KH Dunton. [Seagrass leaves in 3-D: Using computed tomography and low-frequency acoustics to investigate the material properties of seagrass tissue](http://dx.doi.org/10.1016/j.jembe.2010.08.025). *Journal of Experimental Marine Biology and Ecology*, 2010.

**Non-Peer-Reviewed Publications**

**CA Greene** & AS Gardner. [Greenland’s glaciers are retreating everywhere and all at once](https://www.nature.com/articles/d41586-023-04108-w). *Nature*, 2024.

AD Fraser & **CA Greene**. [Ice shelves hold back Antarctica’s glaciers from adding to sea levels – but they’re crumbling](https://theconversation.com/ice-shelves-hold-back-antarcticas-glaciers-from-adding-to-sea-levels-but-theyre-crumbling-185509). *The Conversation*, 2022.

**Datasets**

DA Young,…, **CA Greene**, & others. [Geophysical Investigations of Marie Byrd Land Lithospheric Evolution (GIMBLE) Airborne VHF Radar Transects: 2012/2013 and 2014/2015](https://doi.org/10.18738/T8/BMXUHX). *Texas Data Repository*, 2024.

**CA Greene**, AS Gardner, M Wood, & JK Cuzzone. [MEaSUREs ITS\_LIVE Greenland Monthly 120 m Ice Sheet Extent Masks, 1972-2022, Version 1](https://doi.org/10.5067/579TO87M7IZB). *National Snow and Ice Data Center*, 2024.

SL Howard, **CA Greene**, & others. [CATS2008\_v2023: Circum-Antarctic Tidal Simulation 2008, version 2023](https://doi.org/10.15784/601772). *U.S. Antarctic Program (USAP) Data Center*, 2024.

FS Paolo, AS Gardner, **CA Greene**, & NJ Schlegel. [MEaSUREs ITS\_LIVE Antarctic Quarterly 1920 m Ice Shelf Height Change and Basal Melt Rates, 1992-2017, Version 1](https://doi.org/10.5067/SE3XH9RXQWAM). *National Snow and Ice Data Center*, 2023.

**CA Greene**, AS Gardner, NJ Schlegel, & AD Fraser. [MEaSUREs ITS\_LIVE Antarctic Annual 240 m Ice Sheet Extent Masks, 1997-2021, Version 1](https://doi.org/10.5067/9ZFX84T5GI6D). *National Snow and Ice Data Center*, 2022.

**Awards, Accreditations, & Accomplishments**

**NASA JPL Voyager Award** 2024, 2025

**NASA Postdoctoral Program Fellowship** 2019–2023

**MathWorks (MATLAB) Community Advisory Board** 2016–2022

**National Science Foundation Early Career Scientist Award** June 2018

**NASA Young Investigator Award** July 2016

**Univ. of Texas Institute for Geophysics Outstanding Graduate Student Award** May 2016

**MathWorks Award for Outstanding Contributions** 2015

**MATLAB File Exchange Pick-of-the-Week** July 2012, July 2013, July 2014

**United States Congressional Antarctic Service Medal** 2013

**Univ. of Texas College of Engineering Fellowship** 2007–2008

**NCEES Fundamentals of Engineering Exam** passed 2007

**Wright Merit Scholarship** 2002–2007

**Virginia Commonwealth University Dean’s List** 2003–2005

**Virginia Commonwealth University Honors Program** 2002–2005

**Bicycled self-supported over 4200 miles from Oregon to North Carolina** 2005

**Eagle Scout** 2002

**Virginia State Certified Emergency Medical Technician** 2002

**Field Work**

**Pituffik Space Base** Pituffik (Thule), Greenland

Airborne surveys: Apr to May 2024

**Casey Station** Wilkes Land, Antarctica  
Airborne surveys: Dec 2017 to Feb 2018

**Byrd Field Camp** Marie Byrd Land, Antarctica  
Airborne surveys: Dec 2012 to Feb 2013

**Gulf of Mexico** Port Aransas, TX  
Marine habitat acoustic study: 2009 to 2011

**Eckernförde Bay** Kiel, Germany  
Sediment acoustics survey: Jun 2010 to Jul 2020

**Beaufort Sea** Arctic Ocean   
USCG Polar Sea expedition Sep to Oct 2009

**In the News**

**Wall Street Journal** 2025: [The U.S. Nuclear Base Hidden Under Greenland’s Ice for Decades](https://www.wsj.com/world/greenland-us-camp-century-nuclear-base-91e8abea).

**Newsweek** 2024: [NASA Image Reveals Lost US Military Base—'City Under the Ice'](https://www.newsweek.com/us-military-base-camp-century-greenland-cold-war-nuclear-missiles-1991287).

**Popular Science** 2024: [NASA radar picks up frozen, buried Cold War base Camp Century](https://www.popsci.com/technology/nasa-camp-century/).

**Smithsonian Magazine** 2024: [NASA Radar Detects Abandoned Site of Secret Cold War Project in Greenland](https://www.smithsonianmag.com/smart-news/nasa-radar-detects-abandoned-site-of-secret-cold-war-project-in-greenland-a-city-under-the-ice-180985550/).

**National Geographic** 2024: [The U.S. built a covert Cold War base under a Greenland glacier](https://www.nationalgeographic.com/history/article/camp-century-nasa-greenland-us-military).

**The New Yorker** 2024 (background consultation): [When the Arctic Melts](https://www.newyorker.com/magazine/2024/10/14/when-the-arctic-melts).

**FactCheck.org** 2024: [Antarctic Ice Loss Is Significant, Contrary to Claims](https://www.factcheck.org/2024/06/scicheck-antarctic-ice-loss-is-significant-contrary-to-claims/).

**New York Times** 2024: [How much ice is Greenland losing? Researchers found an answer.](https://www.nytimes.com/2024/01/17/climate/greenland-ice-sheet-melting.html)

**The Atlantic** 2024: [A counterintuitive effect of global warming.](https://www.theatlantic.com/newsletters/archive/2024/01/a-counterintuitive-effect-of-global-warming/677245/)

**Rolling Stone** 2024: [Greenland’s glaciers are melting way faster than we thought.](https://www.rollingstone.com/politics/politics-news/greenland-glaciers-metling-faster-1234948500/)

**Washington Post** 2024: [Greenland is losing more ice than we thought. Here’s what it means for our oceans.](https://www.washingtonpost.com/climate-environment/2024/01/17/greenland-ice-sheet-sea-level-rise/)

**The Guardian** 2024: [Greenland losing 30m tonnes of ice an hour, study reveals.](https://www.theguardian.com/environment/2024/jan/17/greenland-losing-30m-tonnes-of-ice-an-hour-study-reveals)

**Arizona Daily Star** 2024: [Tucson scientist records album while recording decline of Greenland glaciers](https://tucson.com/news/local/article_e537c094-ba2e-11ee-9ad5-eb0969711d24.html).

**Smithsonian Magazine** 2023: [The World’s Largest Iceberg Is Drifting Three Miles Into the Ocean Each Day](https://www.smithsonianmag.com/smart-news/the-worlds-largest-iceberg-is-drifting-three-miles-into-the-ocean-each-day-180983326/)

**New Scientist** 2023: [Where is the iceberg that broke off Antarctica and is it a threat?](https://www.newscientist.com/article/2405085-where-is-the-iceberg-that-broke-off-antarctica-and-is-it-a-threat/)

**CNN** 2022: [World’s largest ice sheet crumbling faster than previously thought, satellite imagery shows](https://www.cnn.com/2022/08/11/world/antarctica-ice-sheet-crumbling-climate-intl/index.html).

**Time** 2022: [NASA Satellites Paint Grim Picture For The Future of Antarctica's Ice Shelves](https://time.com/6205753/antarctica-ice-melt-doubles-nasa/).

**Forbes** 2022: [Antarctica’s Coastal Glaciers Crumbling At Faster Rate Than Previously Believed](https://www.forbes.com/sites/kylehenderson/2022/08/11/antarcticas-coastal-glaciers-crumbling-at-faster-rate-than-previously-believed-study-finds/?sh=195584b9731b).

**Washington Post** 2022: [Climate change’s impact intensifies as U.S. prepares to take action](https://www.washingtonpost.com/climate-environment/2022/08/11/climate-changes-impact-intensifies-us-is-poised-pass-major-bill/).

**Washington Post** 2022: [Foreboding new studies show the climate battle is not over](https://www.washingtonpost.com/opinions/2022/08/14/climate-change-studies-warming-antarctica/).

**Scientific American** 2018: [Why Are Glaciers Melting from the Bottom? It’s Complicated](https://www.scientificamerican.com/article/why-are-glaciers-melting-from-the-bottom-its-complicated/).

**Scientific American** 2017:[How Wind Might Nudge a Sleeping Giant in Antarctica](https://www.scientificamerican.com/article/how-wind-might-nudge-a-sleeping-giant-in-antarctica/).

**Wired** 2017: [For Scientists Predicting Sea Level Rise, Wind is the Biggest Unknown](https://www.wired.com/story/wind-is-driving-rapid-melt-in-antarcticas-biggest-glacier/).

**Research Presentations**

**CA Greene** & others. ITS\_LIVE Version 2: Cloud-based data for modern glaciology. *Fall meeting of the American Geophysical Union*. Washington DC, USA, Dec 2024.

**CA Greene**. Remote Sensing of Glaciers and Ice Sheets. *Measuring and Modelling Mountain glaciers and ice caps in a Changing ClimAte (M3OCCA).* Kinding, Germany, Oct, 2024.

**CA Greene**. Methods and limitations of measuring ice sheet mass balance. *Joint Commission on Ice-Ocean Interactions (JCIOI)*. Copenhagen, Denmark, Sep 2024.

**CA Greene** & others. ITS\_LIVE Version 2: A new generation of glacier observations. *Scientific Committee on Antarctic Research Open Science Conference*. Pucón, Chile. Aug 2024.

**CA Greene**. NASA in Greenland: 2024 UAVSAR Campaign. *Pituffik Space Base Science Forum*, Pituffik (formerly Thule), Greenland, Apr 2024.

**CA Greene** & AS Gardner. Freshwater anomalies from calving of the Greenland and Antarctic ice sheets. *Anomalous Freshwater Forcing for Climate Models Workshop*, Feb 2024. [invited]

**CA Greene** & others. Calving of the Greenland Ice Sheet since 1985. *Fall meeting of the American Geophysical Union*. San Francisco, USA, Dec 2023.

AS Gardner, R Hugonnet **CA Greene**, & others. Global Glacier Mass Change from Satellite Laser Altimetry. *Fall meeting of the American Geophysical Union*. San Francisco, USA, Dec 2023.

**CA Greene** & others. Calving of the Greenland Ice Sheet since 1985. *International Union of Geodesy and Geophysics General Assembly*. Berlin, Germany, July 2023. [invited]

**CA Greene** & others. Firn model performance assessment with ICESat-2. *ICESat-2 Science Symposium*. Austin, TX, Oct 2022.

**CA Greene** & others. Airborne opportunities in Antarctica. *First International Workshop on Antarctic RINGS*, Tromsø, Norway, July 2022.

**CA Greene** & others. Coastal retreat doubles previous estimates of Antarctic ice shelf loss. *European Geophysical Union General Assembly*. Vienna, Austria, May 2022.

**CA Greene** & others. Antarctica’s grounded-ice response to observed calving. *Fall meeting of the American Geophysical Union*. New Orleans, LA, Dec 2021.

AS Gardner,…, **CA Greene**, & others. Surface topography observations needed to advance cryospheric science in the coming decades. *Fall meeting of the American Geophysical Union*. New Orleans, LA, Dec 2021.

AS Gardner,…, **CA Greene**, & others. The NASA MEaSUREs ITS\_LIVE project: Accelerating glacier science through satellite data synthesis. *Fall meeting of the American Geophysical Union*. New Orleans, LA, Dec 2021.

W Wei, …, **CA Greene**, & others. A new bathymetry surrounding and beneath the West Ice Shelf in East Antarctica. *Fall meeting of the American Geophysical Union*. New Orleans, LA, Dec 2021.

Y Nakayama, **CA Greene**, & others. Antarctic slope current controls warm ocean intrusions towards Totten Glacier. *European Geophysical Union General Assembly*. April 2021.

Y Nakayama, **CA Greene**, & others. The development of East Antarctic ocean simulation with a focus on the Totten Glacier. *Fall meeting of the American Geophysical Union*. Dec 2020.

**CA Greene**. Insights from satellite velocity maps. *Oates Land Workshop*. Hobart, Australia, Jan 2020.

**CA Greene** & AS Gardner. Satellite observations of Antarctic ice velocity variability. *Fall meeting of the American Geophysical Union*. San Francisco, USA, Dec 2019.

F Ferraccioli,…, & **CA Greene**. Antarctic geothermal heat flux: past, present, and future perspectives. *Fall meeting of the American Geophysical Union*. San Francisco, USA, Dec 2019.

**CA Greene**, AS Gardner, FS Paolo, & MP Schodlok. Satellite observations of Antarctic ice velocity variability. *Forum for Research into Ice Shelf Processes*. Oxford, UK, Sep 2019.

**CA Greene**. Potential sea level contributions from Antarctica’s Aurora Subglacial Basin. *Sea Level Summer School*. Delft, Netherlands, July, 2019.

**CA Greene** & DD Blankenship. Surface features of Totten Ice Shelf from satellite images and laser altimetry. *Forum for Research into Ice Shelf Processes*. Aussois, France, Sep 2018.

**CA Greene** & others. Seasonal Control on Totten Ice Shelf Dynamics by Sea Ice Buttressing. *POLAR2018 SCAR Meetings and Open Science Conference.* Davos, Switzerland, Jun 2018.

CF Dow,…, **CA Greene**, & others. The role of basal channels in ice shelf calving. *Fall meeting of the American Geophysical Union*. Dec 2017.

**CA Greene** & others. Upwelling drives melt and acceleration of Totten Ice Shelf. *Forum for Research into Ice Shelf Processes.* Bergen, Norway, Jun 2017.

**CA Greene**. Low-Quality Satellite Images Reveal Dynamic Ice Shelf Processes. *University of Texas Institute for Geophysics Seminar Series*. Austin TX, Mar 2017.

DA Young,…, **CA Greene**, & others. High-resolution subglacial hydrology of a potential old ice target near Dome C, Antarctica. *XXXIV SCAR Meetings and Open Science Conference*. Aug 2016.

**CA Greene** & others. Spatiotemporal patterns of surface elevation change for Totten Glacier ice shelf. *IGS International Symposium on Interactions of Ice Sheets and Glaciers with the Ocean.* La Jolla, CA, Jul 2016.

GR Muldoon, **CA Greene**, & K Thirumalai. Data visualization tips and tricks. *University of Texas Institute for Geophysics Seminar Series*. Austin, TX, Feb. 2016.

**CA Greene**. Antarctic Mapping Tools for MATLAB. *University of Texas Institute for Geophysics Seminar Series.* Austin, TX, Sep 2014.

**CA Greene**, AK Bliss, & DD Blankenship. A Bedmap2 Toolbox for MATLAB. *Fall Meeting of the American Geophysical Union*. San Francisco, CA, Dec 2013.

CS Jackson,…, **CA Greene**, & others. Representation of Thwaites Glacier Bed Uncertainty for Modeling Experiments. *Fall Meeting of the American Geophysical Union*. San Francisco, TX, Dec 2013.

DA Young, DD Blankenship, SD Kempf, & **CA Greene**. How well can we determine ice thickness? Examples from Thwaites Glacier. *International Symposium on Radioglaciology: A Meeting of the International Glaciological Society*. Sept 2013.

**CA Greene**. Bubbles and acoustics: An introduction to physical concepts in underwater sound. *University of Texas Institute for Geophysics Seminar Series*. Austin, TX, Mar 2013.

C.S. Jackson, **CA Greene**, & others. Ice bed geometry: Estimates of known unknowns. *Proceedings of the Society for Industrial and Applied Mathematics Conference on Uncertainty Quantification*. 120 2012.

**CA Greene** & others. Acoustic determination of methane hydrate dissociation pressures. 7th International Conference on Gas Hydrates Edinburgh, Scotland, 2011.

**CA Greene** & others. Laboratory measurements on gas hydrates and bubbly liquids using active and passive low-frequency acoustic techniques. *Meeting of the Acoustical Society of America*. Seattle, WA, May 2011. [invited]

**CA Greene**. Low-frequency acoustic techniques for detection of gas hydrates, gassy sediments, and methane seeps. *Leibniz Institute of Marine Sciences at the University of Kiel IFM-GEOMAR*. Kiel, Germany, Jun 2010. [invited]

**CA Greene**. The didgeridoo—an ancient acoustic resonator. *Meeting of the Acoustical Society of America*. Baltimore, MD, Apr 2010. [invited]

**CA Greene** & PS Wilson. Toward passive acoustic remote sensing of ocean-bottom gas seeps. *Meeting of the Acoustical Society of America*. Baltimore, MD, Apr 2010.

**CA Greene**. Low-Frequency Acoustics of Methane Hydrates. *The University of Texas at Austin, Department of Mechanical Engineering. Seminars in Acoustics*, Austin, TX, Apr 2010. [invited]

**CA Greene**, PS Wilson, & RB Coffin. Measurements of the Acoustic Properties of Methane Hydrates. *Methane in the Arctic Shelf: American Geophysical Union Post-Cruise Workshop*, San Francisco, CA, Dec 2009. [invited]

PS Wilson, TF Argo IV, & **CA Greene**. A demonstration of acoustic damping using bubbly liquid for Project Listen Up. *Meeting of the Acoustical Society of America* San Antonio, Nov 2009. [invited]

**CA Greene** & PS Wilson. Measurements of sound speed in bubbly liquids under high-pressure conditions. *Meeting of the Acoustical Society of America.* San Antonio, Nov 2009.

.**CA Greene**. An Introduction to Sediment Acoustics. *Methane in the Arctic Shelf Expedition Scientists’ Meeting*, USCG Polar Sea, Beaufort Sea, Sep 2009. [invited]

TF Argo IV, **CA Greene**, & PS Wilson. A simple experiment for understanding resonant air columns. *Meeting of the Acoustical Society of America.* Portland, OR, May 2009.

**CA Greene** & others. A Helmholtz resonator experiment for the Listen Up project. *Meeting of the Acoustical Society of America.* Miami, FL, Nov 2008.

MJ Isakson, **CA Greene**, & others. Finite element modeling of range-dependent acoustic wave propagation in shallow water. Office of Naval Research Reverberation Workshop II. Austin, TX, May 2008.