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# S. Isabel Cordero

## Scientific Support Staff



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[Google Scholar \(eGDyqzIAAAAJ\)](https://scholar.google.com/citations?user=eGDyqzIAAAAJ)

## SUMMARY

Isabel is an interdisciplinary scientist who enjoys problem solving and premier league football. She adapts inclusionary and responsive project management skills to all aspects of her work, aiming to extract the best out of herself and those she works with. Isabel is an effective communicator who enjoys collaborative work, while also remaining independently motivated.

## SKILLS

Agile project management, event coordination, creative problem solving, science communication, risk management, geophysical data processing, geospatial data visualization, and copy-editing.

## EXPERIENCE

### **Polar Research Support Staff** - *Lamont-Doherty Earth Observatory, Palisades, NY*

NOVEMBER 2016 - PRESENT

- [Polar Geophysics & Glaciology Group \(PGG\)](#) Research & Administrative Science Support. Effectively navigate simultaneous multi-project work with versatile skills and management. Honed adaptable science communication, academic research, proofreading, and problem solving skills. Contributed to scientific publications, conference presentations, and fieldwork efforts. Developed skills in project management, task delegation, and end-to-end project development.
- Responsibilities have included, but not limited to:
  - Geophysical data processing; ice-penetrating radar interpretation; field logistics support; data visualization; student mentorship; federal and commercial proposal development; budget management; institutional purchasing; event coordination; interdisciplinary collaboration; international cargo shipping; federal fieldwork policy adherence; multi-project management; copyediting; and, science communication outreach.
- Software:
  - Matlab, Python (Spyder, Jupyter Notebook, Visual Studio Editor), RazorSQL, Oasis Montaj Geosoft, GIS (QGIS, ArcGIS), Website Suites (Wordpress, Markdown), GitHub, GitLab, Microsoft Office Suite, Google Office Suite, Canva, Blender, Affinity Designer, iMovie, SSH Clients (WinSCP, Terminal, Command Prompt, Cyberduck), Trello, Slack, and Zoom.
- Project Management:
  - Visualizing Ice Sheets in Extended Reality (VISER) Project, United States Antarctic Program Data Center (USAP-DC), Lamont-Doherty Earth Observatory Annual Open House, Antarctic Peninsula Melt Project, and Polar Geophysics & Glaciology Group (PGG).

- Outreach & Communication:
  - Lamont-Doherty Earth Observatory's Annual Open House (2016 - Present)
  - International Thwaites Glacier Collaboration (ITGC)'s Antarctica Week (2018, 2019)
  - American Geophysical Union (AGU) Annual Fall Meeting (2022, 2023)
  - Gordon Research Conference: Visualization in Science and Education (2023)
  - West Antarctic Ice Sheet (WAIS) Workshop (2018, 2024)

### **GIS Temporary Assistant** - *Lamont-Doherty Earth Observatory, Palisades, NY*

JUNE 2016 - NOVEMBER 2016

- Flexed Geographic Information System (GIS), organization, and outreach skills. Meticulously reviewed satellite imagery databases (U.S. Geological Survey, Polar Geospatial Center, NASA Operation IceBridge, and NASA's EarthData) for visible Antarctic surface meltwater. Created ArcMap database and image catalogue of all identifiable melt. Acknowledged in Kingslake, et al., 2017 ([10.1038/nature22049](https://doi.org/10.1038/nature22049)). Adapted additional skills to assist with ROSETTA-Ice Project Season 2 fieldwork preparation, data interpretation, and educational outreach.
- Responsibilities included, but not limited to:
  - Thorough review of satellite imagery; rapid polar geophysics and glaciology education; detail oriented documentation; federal paperwork preparation; Antarctic fieldwork cargo and instrument packing; ice-penetrating radar data interpretation and analyses; science outreach; weekly progress reports; and,
- Software:
  - Matlab, ArcMap, Python (Jupyter Notebook), Microsoft Office Suite, Google Office Suite

### **Museum Volunteer Department Intern** - *American Museum of Natural History, New York, NY*

APRIL 2011 - JUNE 2011

- Honed copyediting, ghostwriting, research, and outreach skills. Flourished in a dynamic work environment and collaborative task assignment. Reported directly to the Department of Education's Senior Manager of Teaching Volunteers.
- Responsibilities included, but not limited to:
  - Write and edit copy for volunteer docent guides; collaborate with Teaching Volunteer Coordinators; assist with docent cart display modification; participate as docent with teaching volunteers; provide feedback to Exhibitions Department regarding signage improvement; survey visitors regarding test signage; and, improve early childhood education outreach skills.
- Completed full revisions of interactive information cart guides for: Hall of Ocean Life, North American Mammals, and Biodiversity. Served as docent for aforementioned halls as well as [The World's Largest Dinosaurs](#) Special Exhibit.

### **Assistant Curator** - *Rutgers University Archives and Special Collections, New Brunswick, NJ*

JUNE 2010

- Contributed to curation of John DePol woodcarving exhibition at the Alexander Library under the supervision of Michael Joseph, Librarian.
- Responsibilities included, but not limited to:
  - Devising exhibit layout design and narrative; print identification; woodcarving identification.

### **Summer Camp Counselor** - *The Calhoun School, New York, NY*

JUNE 2009 - AUGUST 2011

- Exercised early-childhood education skills at SummerKids day-camp for enrolled Calhoun School children ages 3-9. Placement w/ campers ages 4-9, with 2-3 Calhoun Teachers.
- Responsibilities included, but not limited to:
  - Supporting lead teachers; maintaining a clean, safe, and welcoming environment; activity development; excursion safety; parent/guardian briefings; supervising up to 20 children at a time; decorating classrooms for themed days; and, early childhood communication.

### **The Issue Editor & Writer** - *The Calhoun School, New York, NY*

SEPTEMBER 2009 - JUNE 2011

- Served one year as “staff” writer, and one year simultaneously as writer and Editor for exclusively print school newspaper.
- Responsibilities included, but not limited to:
  - Topic research; impartial news reporting; opinion piece writing; topic delegation; pitch meetings; advertisement formatting; print publication organization and formatting; weekly issue printing and distribution; rapid thorough proofreading; concise copywriting.

### **FanFiction Beta Editor** - *Online Volunteer, New York, NY*

AUGUST 2009 - SEPTEMBER 2012

- Volunteered editing services for several FanFiction authors prior to publishing their work online. Gained valuable skills for thorough proofreading with quick turnaround time.
- Responsibilities included, but not limited to:
  - English language editing; plot consultation; sentence structure arrangement; formatting; timely return of input/changes; author communication; publication polishing.

### **Arts & Crafts Workshop Assistant** - *Three Arrows Cooperative, Putnam Valley, NY*

JUNE 2009 - AUGUST 2023

- Gained and exercised event coordination and leadership skills with respect to weekly summer programming for local community arts workshops.
- Responsibilities included, but not limited to:
  - Preparation, execution, and development of workshop events; program scheduling; leading all-ages attendees in workshop activities; inventory management for committee; purchasing and ordering materials; local newsletter advertising; volunteer recruitment.

### **Babysitter/Caregiver** - *Self Employed, New York, NY*

JUNE 2004 - AUGUST 2015

- Flourished as an early-childhood caregiver for a dozen families, children aged 2-12 years old, for over 10 years. First Aid Certified for Infants & Toddlers.
- Appointments ranged from 1-hr to 6hrs, for standalone events or routine schedule. Cared for 1-4 children at any given time. Summer employment averaged 2-6 days/week.

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## PROJECT & EVENT MANAGEMENT

### Visualizing Ice Sheets in Extended Reality (VISER) Project - *Project Manager*

SEPTEMBER 2022 - PRESENT

- Simultaneously function as Project Manager and Radar Consultant. Maintain project critical path with quarterly milestone evaluations, routine roadblock assessments, stakeholder reports, project outreach, and publication contribution. Report to advisory faculty and interdisciplinary stakeholders.
- Manage a team of 3 - 8 students (undergraduate, graduate, PhD) enrolled in Prof. Steven Feiner's Research Project Course and affiliated with the Columbia Computer Graphics & User Interfaces ([CGUI](#)) Lab.
- Responsibilities include, but not limited to:
  - CGUI Research Project Course student recruitment, project scope onboarding, scrum task assignment, KPI & statement of work evaluations, mentorship, and polar science education
  - Engage in in-person outreach events with Virtual Reality (VR) headset application demonstration, as well as demo video recording/editing
  - Funding opportunity searches; prepare proposal scope and budget for grants
  - Contribute to publication and conference submissions/presentations: Boghosian, et al., 2023; Boghosian, et al., 2022; Cordero, et al., 2022; Cordero, et al., 2020.
  - Process ice-penetrating radar data for visualization. Consult on polar geospatial data. Provide stakeholder access and feedback.
  - Perform live application demonstration at outreach events with Virtual Reality headset (Meta Quest2, Quest3). Simple application demo video recording, editing, and uploading.
- Software:
  - GitHub Desktop, Blender, Unity, MiniConda, Visual Studio Editor, Canva, iMovie

### LDEO Annual Open House Event - *Marine & Polar Geophysics (MPG) Division Coordinator*

YEARS: 2022, 2023, 2024

- Selected as MPG exhibition tent coordinator by division senior faculty.
- Exercise ability to work in a fast-paced environment while managing expectations and effort of 20+ volunteer scientists. Timeline involves 1.5-Months of preparation for a 1-Day outdoor event attended by ~2,000 visitors.
- Responsibilities include, but are not limited to:
  - Roadmap development and execution; vendor coordination; outreach equipment purchasing; on-site display setup; volunteer management; internal event communication; provide outreach consultation to volunteer scientists; prepare and deliver ramp-up/down reports to the Administrative Committee detailing successes, failures, resource accessibility, and expenses.

### NERC NSF Antarctic Peninsula (FRAM) Project - *Project Logistics Coordinator*

SEPTEMBER 2022 - PRESENT

- Exercise project management skills to support an internationally funded research project dedicated to investigating the influence of meltwater on Antarctic ice sheets. Developed project roadmap with multi-institutional stakeholders and executed project ramp-up.
- Responsibilities include, but are not limited to:

- Weekly stakeholder meetings; routine roadmap, milestone, and risk assessments; point of contact for British Antarctic Survey (BAS) and United States Antarctic Program (USAP) administrators, instrumentation collaborators, and institutional administrators; roadmap assessments; field research equipment acquisition, preparation, itemization, packing, and shipping; completion of administrative work: purchase orders, insurance forms, inventory documentation, federal proforma, and Antarctic Treaty international policy adherence; internal documentation maintenance; and liaise with remote sensing manufacturers.
- Software:
  - Google Suite, Microsoft Excel, USAP's POLAR-ICE portal, and JupyterLab.

### **Humans vs. Zombies Club Events** - *Event Organizer & Club Executive Committee*

YEARS: 2012 - 2015

- Supported and coordinated all-inclusive, campus-wide tag-style events for students. Weekly small events (5 - 20 attendees) and annual large events (>100 attendees). Regularly focussed on creating safe, inclusive, fair, and fun events for students to engage in outdoor physical activity and community building.
- Responsibilities included, but not limited to:
  - Faculty and campus safety liaising; risk management; public relations; safety waiver development; inventory management; budget management and creation; arts and crafts; conflict mediation; game development; advertisement; Google sites; proofreading; copywriting; audience engagement;

### **Skidmore Anime Club Events** - *Event Organizer & Club Executive Committee*

YEARS: 2013 - 2015

- Maintained a welcoming and inclusive club atmosphere by supporting weekly screenings and community events, as well as coordinating annual trips to a local convention.
- Responsibilities included, but not limited to:
  - Club member recruitment; semesterly roadmap development; organize weekly poll; twice-weekly email-list communication; conflict mediation; budget management; material acquisition; maintain ex-comm meeting minutes; maintenance of email-list; transportation organization;

### **Three Arrows Cooperative Annual Tie Dye Workshop** - *Workshop Organizer & Instructor*

YEARS: 2009-2023

- One of three principal workshop administrators. Executed ramp-up preparation, day-of workshop instruction, and ramp-down inventory assessments. Annual 1-Day event draws attendees ranging in age and demographic (4-80 years old) with varying experience. Tailored simple garment tying, dying, and washing instructions to attendee needs.
- Developed infographics and documentation for workshop roadmap, dye preparation instructions, attendee take-home guidance, and frequently asked questions.
- Responsibilities included, but not limited to:
  - Volunteer recruitment, onboarding, and management; inventory management; even space setup; preparation of hazardous chemical dyes and caustic binding agent; implementation of attendee safety precautions; attendee education and support; waterfall roadmap execution; resource and documentation close-out; training and hand-off to new admin.

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## FIELDWORK

### **Blackfriary Archaeology Field School, Ireland** - *Geophysical Field Intern*

MARCH - APRIL 2018

- Assisted PhD Ashely Green (Bournemouth University), in consortium with the [Blackfriary Community Heritage and Archaeology Project](#), with geophysical field survey of potential burial site using resistance meter, magnetometer, and ground penetrating radar (GPR) sensors. Completed preliminary data processing with DraftSight, Snuffler, and GPR-Slice.

### **ROSETTA-Ice Project, Antarctica** - *Ice-Penetrating Radar QC*

FIELD SEASONS: 2016, 2017

- Participated in [ROSETTA-Ice Project](#) as airborne ice-penetrating radar QC specialist for two Antarctic field deployments (2016-2017, 2017-2018). Flexed coordination skills through assisting with general fieldwork preparation, federal proforma, and cargo shipping.
- Fieldwork included: field site set-up and breakdown; cargo and instrument packing and shipping; QC for Deep ICE (DICE) radar, Shallow Ice Radar (SIR), magnetometer (MAG), and GPS systems (POD-INS/SPAN); field report organization; daily instrument QC reports.
- Offsite work included: review and streamline: field instrument operating procedures, QC procedures, QC report forms, data archive procedures, federal proforma, and additional documentation forms.

### **Blackfriary Archaeology Field School, Ireland** - *Field Student*

JUNE - AUGUST 2015

- Participated in excavation of the medieval Blackfriary Community Heritage Site.
- Fieldwork included: site surveys; cultural heritage site conduct; burial excavation; osteology; artifact cleaning, cataloguing, and analysis; inventory management; science communication; community outreach; subsistence method research and presentation.
- Blackfriary Archaeology Field School at the time was part of the [Irish Archaeology Field School](#). Enrolled through the [Institute for Field Research](#), which provides academic credit through Connecticut College. Credits appear on Skidmore College academic transcript.

### **Sanisera Archaeological Institute for International Field Schools, Spain** - *Field Student*

JUNE - JULY 2014

- Participated in excavation of early-Christian, Roman, port city in Menorca, Spain.
- Fieldwork included: necropolis excavation, osteology instruction, heritage site conduct, field site mapping and digitization (ArcGIS, QGIS).
- Received [Sanisera Archaeological Institute](#) certification for GIS & Bioarcheology work.

### **Skidmore College Excavation of Woodlawn Estate, New York** - *Archaeology Student*

OCTOBER - DECEMBER 2013

- Participated in ongoing excavation of the former Woodlawn Estate located in the Northwoods of Skidmore College, led by Dr. Heather Hurst, as part of the Archaeology Research & Methods course.
- Fieldwork included: land & site surveys; soil identification; artifact cleaning, cataloguing, and analysis; excavation techniques; science communication.

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## COPY-WRITING/EDITING

### **Polar Geophysics & Glaciology Group Website** - *Administrator*

APRIL 2020 - PRESENT

- Flexed skills in proofreading, copywriting, and user interface organization. Performed content migration from depreciated locally hosted php Wordpress style website to University webserver with unique Wordpress format. Continued to administrate website content maintenance.
- Responsibilities include, but not limited to:
  - Proofreading, editing, writing copy, screen reader formatting adherence, format modernization, figure making, science communication, website maintenance, personnel directory updates, liaise with Columbia Website Team, and maintain data server links.

### **Linda Hall's Prose Bootcamp** - *Student*

JANUARY - MAY 2015

- Wrote and edited impromptu quick-fire prompts and overnight assignments geared toward creating publishable prose. Skills developed in ghostwriting, proofreading, and copywriting. Prompts varied from fundraising letters, profile biographies, employment letters, website blurbs, and more.

### **Linda Hall's Intro to Nonfiction Writing** - *Student*

JANUARY - MAY 2012

- Course dedicated to writing and reading personal, polemical, and literary essays. Developed skills in creating personal essays, introductory copy, and narrative prose.

### **FanFiction.com Beta Editor** - *Online Volunteer*

AUGUST 2009 - SEPTEMBER 2012

- Volunteered editing services for several FanFiction authors prior to publishing their work online. Gained valuable skills for thorough proofreading with quick turnaround time.
- Responsibilities included, but not limited to:
  - English language editing; plot consultation; sentence structure arrangement; formatting; timely return of input/changes; author communication; publication polishing.

### **The Issue Newspaper** - *Writer & Editor*

SEPTEMBER 2009 - JUNE 2011

- Served one year as "staff" writer, and one year simultaneously as writer and Editor for exclusively print school newspaper.
- Responsibilities included, but not limited to:
  - Topic research; impartial news reporting; opinion piece writing; topic delegation; pitch meetings; advertisement formatting; print publication organization and formatting; weekly issue printing and distribution; rapid thorough proofreading; concise copywriting.

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## EDUCATION

### **Columbia University School of Prof. Studies, New York, NY** - *Academic Advancement*

JUNE 2021 - AUGUST 2021

Completed Calculus I during condensed summer semester.

### **Skidmore College, Saratoga Springs, NY** - *Anthropology (Archaeology), B.A.*

SEPTEMBER 2011 - JANUARY 2016

Presented capstone research at 2015 Northeastern Anthropological Association Conference.

Developed skills in: archeological fieldwork; ethnographic research; bio & zooarchaeology; artifact handling & cataloging; ArcGIS; Java; event organization, management, & execution; budget & inventory management; public relations; copywriting; prose writing; academic research.

### **The Calhoun School, New York, NY** - *High School Diploma*

SEPTEMBER 2005 - JUNE 2011

Developed skills in: copy editing; journalism; musical theater; performance art; early childhood education; childcare; disaster response; pottery; event organization; public relations; introductory physics; academic research; introductory epidemiology; sample dissection; literary interpretation; proofreading; wordpress development; introductory html;

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## OUTREACH

### **West Antarctic Ice Sheet (WAIS) Workshop: Repository Chat** - *USAP-DC Curator*

NOVEMBER 2024

- Liaise with stakeholders, data center users, and additional repositories. Engaged in new user onboarding and returning user feedback during fireside chat session.
- Developed flyers and best practices pamphlets for distribution.

### **LDEO Annual Open House Event** - *Polar Geophysics & Glaciology Group Representative*

YEARS: 2016, 2018, 2019, 2022, 2023, 2024

- Assist with and/or develop interactive outreach displays regarding polar geophysics. Including: surface melt and fracture propagation; radio wave formations; data showcase in Extended Reality headsets; ice-penetrating radar data and ice sheet structure; life at McMurdo station; and, LDEO's lunar history and Apollo Mission involvement.
- Poster creation; video editing; 3D printing; 3D data visualization; slide show curation.

### **International Thwaites Glacier Collaboration (ITGC) Annual Antarctica Week** - *Scientist*

YEARS: 2018, 2019

- Participated in remote school group "visits" (Zoom, Google Meet, Skype). Scheduled for 3-5 school Q&A-style "visits" per annual event.
- Developed and curated presentations regarding Antarctic field research, climate change, and ROSETTA-Ice project for K-12 audiences.



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## PUBLICATIONS & PRESENTATIONS

### **Discharge promotes melt and formation of submarine ice-shelf channels at the Beardmore Glacier grounding zone and basal body formation downstream** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2024

- Andrew Hoffman, S. Isabel Cordero, Qazi Ashikin, Joel Salzman, Kirsty J. Tinto, Jonathan Kingslake, David F. Porter, Renata Constantino, Alexandra Boghosian, Knut A. Christianson, Howard Conway, and Michelle R. Koutnik. *AGU 2024 Fall Meeting*.

### **Sharing and accessing Antarctic Data through the US Antarctic Program Data Center (USAP-DC)** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2023

- Frank O. Nitsche, Kirsty J. Tinto, S. Isabel Cordero, Alexander Strong. *AGU 2023 Fall Meeting*. C11C-1061. Poster. Bibcode: [2023AGUFM.C11C1061N](#)

### **Visualizing Ice Sheets in Extended Reality (VISER) for the Improvement of Polar Data Analysis** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2023

- S. Isabel Cordero, Alexandra Boghosian, Joel Salzman, Qazi Ashikin, Eris Gao, Jake Torres, Hao Lucas Yuan, Zihao Zhang, Yolanda Zhu, Carmine Elvezio, Sofía Sánchez-Zárate, Ben Yang, Shengyue Guo, Kirsty Tinto, Steven Feiner, & Robin Bell. *AGU 2023 Fall Meeting*. IN43B-0624. Poster. Bibcode: [2023AGUFMIN43B0624C](#)

### **Augmented Reality and Virtual Reality for Ice-Sheet Data Analysis** - *Gordon Research Conference: Visualization in Science Education (GRC:VSE)*

JULY 2023

- S. Isabel Cordero, Alexandra Boghosian, Joel Salzman, Qazi Ashikin, Carmine Elvezio, Sofía Sánchez-Zárate, Ben Yang, Shengyue Guo, Kirsty Tinto, Steven Feiner, & Robin Bell. *Gordon Research Conference - VSE*, Lewiston, ME, USA. Poster. Tuesday #2.

### **Augmented Reality and Virtual Reality for Ice-Sheet Data Analysis** - *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*

JULY 2023

- Alexandra Boghosian, S. Isabel Cordero, Carmine Elvezio, Sofía Sánchez-Zárate, Ben Yang, Shengyue Guo, Qazi Ashikin, Joel Salzman, Kirsty Tinto, Steven Feiner, & Robin E. Bell. *IGARSS 2023 - 2023 IEEE International Geoscience and Remote Sensing Symposium*, Pasadena, CA, USA, 2023, pp. 52-55. doi: [10.1109/IGARSS52108.2023.10283077](#)

### **The Beardmore Basal Body: Tracing Basal Features of the Ross Ice Shelf** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2022

- S. Isabel Cordero, Alexandra Boghosian, Kirsty J. Tinto. *AGU 2022 Fall Meeting*. C15D-0612. Poster. Bibcode: [2022AGUFM.C15D0612C](#)

### **AntARctica: An Immersive 3D Look into Antarctica's Ice Using Augmented and Virtual Reality** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2022

- Alexandra Boghosian, S. Isabel Cordero, Kirsty J. Tinto, Steven Feiner, Robin E. Bell, Benjamin Yang, & Shengyue Guo. *AGU 2022 Fall Meeting*. IN32B-0394. Poster. Bibcode: [2022AGUFMIN32B0394B](#)

## **Uncovering the Origin of Basal Features at the Ross Ice Shelf Using Radar and Augmented Reality** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2021

- Alexandra Boghosian, S. Isabel Cordero, Sofía Sánchez-Zárate, Carmine Elvezio, Kirsty J. Tinto, Steven Feiner, Robin Bell, Shengyue Guo, Emily Mackevicius, John Paden, & Ben Yang. *AGU 2021 Fall Meeting*. NS13A-07. Invited Talk. Bibcode: [2021AGUFMNS13A..07B](#)

## **Investigating 3D visualization tools in glaciology: from storytelling to discovery** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2020

- S. Isabel Cordero, Alexandra L. Boghosian, Kirsty J. Tinto, Caitlin Locke, Jonathan Kingslake, & Robin E. Bell. *AGU 2020 Fall Meeting*. ED012-06. Talk. Bibcode: [2020AGUFMED012..06C](#)
- Recorded Talk: [https://youtu.be/8Hq5ii5M1\\_4](https://youtu.be/8Hq5ii5M1_4)

## **New Insights into Structures Within the Ross Ice Shelf from ROSETTA-Ice Radar Surveys** - *American Geophysical Union (AGU) Annual Fall Meeting*

DECEMBER 2020

- S. Isabel Cordero, Kirsty J. Tinto, Indrani Das, & Robin E. Bell. *AGU 2020 Fall Meeting*. C022-0007. Poster. Bibcode: [2020AGUFMC022.0007C](#)

## **Inside the ice shelf: using augmented reality to visualise 3D lidar and radar data of Antarctica** - *The Photogrammetric Record: Special Issue: Virtual Geoscience Conference 2018*

DECEMBER 2019

- Alexandra L. Boghosian, Martin J. Pratt, Maya K. Becker, S. Isabel Cordero, Tejendra Dhakal, Jonathan Kingslake, Caitlin D. Locke, Kirsty J. Tinto, & Robin E. Bell. *Photogrammetric Record*, vol. 34: pp. 346-364. 2019. doi: [10.1111/phor.12298](#)

## **Multidecadal basal melt rates and structure of the Ross Ice Shelf, Antarctica, using airborne ice penetrating radar** - *Journal of Geophysical Research: Earth Surface*

DECEMBER 2020

- Indrani Das, Laurie Padman, Robin E. Bell, Helen A. Fricker, Kirsty J. Tinto, Christina L. Hulbe, Christine S. Siddoway, Tejendra Dhakal, Nicholas P. Frearson, Cyrille Mosbeux, S. Isabel Cordero, Matthew R. Siegfried. *Journal of Geophysical Research: Earth Surface*, 125, e2019JF005241. doi: [10.1029/2019JF005241](#)

## **Ross Ice Shelf response to climate driven by the tectonic imprint on seafloor bathymetry** - *Nature Geoscience*

DECEMBER 2020

- K. J. Tinto, L. Padman, C. S. Siddoway, S. R. Springer, H. A. Fricker, I. Das, F. Caratori Tontini, D. F. Porter, N. P. Frearson, S. L. Howard, M. R. Siegfried, C. Mosbeux, M. K. Becker, C. Bertinato, A. Boghosian, N. Brady, B. L. Burton, W. Chu, S. I. Cordero, T. Dhakal, L. Dong, C. D. Gustafson, S. Keeshin, C. Locke, A. Lockett, G. O'Brien, J. J. Spergel, S. E. Starke, M. Tankersley, M. G. Wearing, & R. E. Bell. *Nature Geoscience*. 12, 441–449 (2019). doi: [10.1038/s41561-019-0370-2](#)

**Hunting Pressure and Animal Resource Procurement: The Analysis of Faunal Remains at Pre-Pottery Neolithic B, Archaeological Site of al-Khayran, Jordan** - *Northeastern Anthropological Association (NEAA) Annual Meeting*

MARCH 2015

- S. Isabel Cordero. *55th Annual Northeastern Anthropological Association Meeting - Through the Looking Glass: Showcasing Contemporary Anthropology*, Rindge, NH, USA. 2015. Talk. Caribbean, Middle-Eastern, and Northern European Archaeology Panel.

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## LANGUAGES

**Spanish** - Advanced conversational speaking, writing, and reading

**Portuguese** - Introductory speaking, writing, and reading

**Japanese** - Introductory speaking

**Yiddish** - Colloquial NYC jargon

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## OTHER

**Hobbies** - pc building; puzzles; video games; board games; genealogy; cataloguing; proofreading; fantasy/fiction literature; ice cream making;

**Interests** - premier league football; pc building; city planning;