



Fall 2023 Issue 108

# The Chair's Corner Hydrogeologist

Newsletter of the GSA Hydrogeology Division

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Stock Images

## GSA Connects 2023 is Around the Corner

GSA Connects, the annual meeting of the Geological Society of America, is rapidly approaching. This year's meeting will be held October 15<sup>th</sup> – 18<sup>th</sup> in Pittsburgh, Pennsylvania. This will be the first fully in-person GSA Connects since 2019, before the pandemic. The meeting officially kicks off with an Icebreaker Reception from 5-7 pm on Saturday, October 14<sup>th</sup>. However, there are several short courses and field trips happening before the official start of the meeting.

A big thanks goes out to the Hydrogeology Division's Joint Technical Program Committee Representatives, Paul Stackelberg and Marty Frisbee, who have coordinated the division's technical program for the meeting. Thanks also to all our members who have contributed to the success of the meeting by submitting abstracts, preparing presentations, and organizing technical sessions. The division's management board has been working hard to organize the division's non-technical events at the meeting including, the Birdsall-Dreiss Distinguished and LaMoreaux International Lecture, the Darcy Lecture, the division Awards Ceremony, the Career and Mentoring Session, the Student Reception, and the division's management board and business meetings.

This edition of the Hydrogeologist includes a lot of information and resources for the meeting. Complete details about the meeting can found on the [meeting website](#) or on the GSA Connects 2023 iPhone and Android apps. Scan the QR codes below to access the mobile apps for the meeting.



Scan the QR code  
to the left to  
download the GSA  
Connects 2023  
iPhone app.



Scan the QR code  
to the left to  
download the GSA  
Connects 2023  
Android app.



Chris Gellasch,  
Chair, GSA  
Hydrogeology  
Division

## Chair's Corner

The past month has been busy with the start of the school year, pumpkin spice everything, and visits to our local cider mill. The highlight of my Fall semester is always attending GSA Connects, where I can see so many friends and colleagues while learning the latest science related to hydrogeology. An added benefit with having the meeting relatively close to Michigan is that we are getting a university van and bringing many of our undergraduate students with us.

The Hydrogeology Division Management board and many other volunteers have been busy ensuring we will have an outstanding time in Pittsburgh at GSA Connects. Elsewhere in this newsletter you will see the many technical sessions sponsored by the division so be sure to check them out. Looking at the dozens of sessions across a wide range of topics always impresses me with the breadth of our discipline. I want to thank our division technical program chair, Paul Stackelberg, for all of his hard work organizing our sessions. Sunday we will have our Hydrogeology Undergraduate Research Poster session with prizes going to the top three posters. The Darcy Lecture (Monday afternoon) and Birdsall-Dreiss Lecture (Tuesday afternoon) are always highlights of the meeting so be sure to attend.

We also have a number of non-technical events, mostly on Tuesday. This includes our division awards ceremony at 11:30 am Tuesday. The awardees are introduced in this newsletter so please take a look. We will continue to hold the awards ceremony as a "bring your own lunch" event to reduce costs and make it more inclusive for everyone to attend. The division will provide cake and drinks at the ceremony. Following the awards ceremony on Tuesday we will hold our annual Division Business Meeting. We will discuss the several bylaws changes approved by members, plus cover several other items. This meeting is a great way to not only learn about what the division has planned but also give your input to the management board. Please contact me if you want something added to the agenda. For those of you interested in being involved with more of the behind the scenes planning, you are welcome to attend our two division management board meetings at GSA Connects on Sunday at 11am and Wednesday at 7am (check the meeting program for details). We always have volunteer opportunities that we need to fill since everything in the division is done by volunteers.

Other Hydrogeology Division events include the Careers and Networking Event Tuesday afternoon and the Student Reception Tuesday evening. These are great events for students and early career professionals to network and learn more about hydrogeology careers in different sectors. As usual the student reception will also feature food and drinks (free for students), and an exciting game show where students can win fabulous prizes. GSA is changing division booths and each division will have a booth surrounding the main GSA Headquarters Pavilion in the exhibit hall. Look for the Hydrogeology Division at Booth #13 and stop by to say hello.

My term as division chair ends at the conclusion of GSA Connects so this is my last Chair's Corner. Thank you to everyone who has supported my year as Division Chair and helped keep us one of the best divisions in the Society. Please join me in welcoming those assuming new offices at the conclusion of GSA Connects: Chair Chris Carlson, First Vice-Chair Don Rosenberry, Second Vice-Chair Richelle Allen-King, and the rest of the division management board.

Regards,

Chris Gellasch

**SHAPE THE FUTURE OF  
YOUR PROFESSION.**



Please visit us in the  
GSA Headquarters Pavilion!  
**BOOTH #13**





**Let's Make GSA Connects 2023 a  
Respectful, Inclusive Scientific  
Event (RISE)!**

GSA takes pride in offering safe,  
professional, inclusive events in which  
participants with diverse backgrounds and points of  
view feel welcome and can count on being treated  
with dignity and respect. The full GSA Events Code of  
Conduct can be found [here](#).

## Links to Resources for GSA Connects 2023

Click on the boxes below to access online resources for the upcoming meeting.

[Meeting home page](#)[Meeting program](#)[Interactive convention center floorplan](#)[Register for meeting](#)[Explore Pittsburgh](#)[Interactive exhibit hall floor plan](#)

## Division Sponsored/Co-Sponsored Technical Events at GSA Connects 2023

Note: The [online program](#) is the most up-to-date source for the meeting schedule.

### Sunday, 15 October 2023

#### [T88. Urban Geochemistry](#)

- 8:00 AM - 12:00 PM
- 325 (3, DLCC)

#### [T100. Advancements in the Science and Management of Wildfire Impacts on the Critical Zone](#)

- 8:00 AM - 12:00 PM
- 317 / 318 (3, DLCC)

#### [T16. No Well Left Behind: Quantifying Impacts and Improving Management of Active, Abandoned, and Orphaned Oil and Gas Wells to Safeguard Air, Water, and Land Resources \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

#### [T88. Urban Geochemistry \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

#### [T125. Karst Hazards and Monitoring \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

#### [T126. Characterization of Karst Aquifers Using Chemical, Biological, and Hydrogeological Data \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

#### [T144. Showcase of Undergraduate Research in Hydrogeology \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

#### [T13. Characteristics, Reactivity and Role of Natural Organic Matter \(NOM\) in Elemental Cycling in the Environment](#)

- 1:30 PM – 5:30 PM
- 333 (3, DLCC)

#### [T141. Arsenic, Fluoride, and Other Geogenic Contaminants in Groundwater: Advances in Application of Data Science, Machine Learning for Risk Assessment and Monitoring for Sustainable Mitigation of Associated Health Hazards](#)

- 1:30 PM – 5:30 PM
- 319 (3, DLCC)

### Monday, 16 October 2023

#### [T129. Karst Hydrology and Hydrogeology](#)

- 8:00 AM - 12:00 PM
- 303 (3, DLCC)

**Monday, 16 October 2023 cont.**[T142. Achieving Groundwater Security across Local-to-Regional Scales in the Anthropocene](#)

- 8:00 AM - 12:00 PM
- 319 (3, DLCC)

[T17. Environmental Geochemistry and Health \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T39. Geoscience and Hydrology of Your Public Lands: STEM Internships, Research, Science, Mapping, Resource Management, and Education \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T100. Advancements in the Science and Management of Wildfire Impacts on the Critical Zone \(Posters\)](#)

- 8:00 AM - 5:30 PM
- Hall B (2, DLCC)

[T104. Sources, Sinks, Transport, and Storage of Sediment in Fluvial Systems](#)

- 1:30 PM - 5:30 PM
- 315 / 316 (3, DLCC)

[T128. Karst Ecosystems and Biogeochemistry](#)

- 1:30 PM - 5:30 PM
- 310 / 311 (3, DLCC)

**Tuesday, 17 October 2023**[T126. Characterization of Karst Aquifers Using Chemical, Biological, and Hydrogeological Data](#)

- 8:00 AM - 12:00 PM
- 310 / 311 (3, DLCC)

[T143. A Hydrogeologic Career Well Lived: A Session on the Research Topics of Ken Bradbury](#)

- 8:00 AM - 12:00 PM
- 329 (3, DLCC)

[T158. Lakes of the World through Time and Space I: Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources](#)

- 8:00 AM - 12:00 PM
- 334 (3, DLCC)

[T129. Karst Hydrology and Hydrogeology \(Posters\)](#)

- 8:00 AM - 5:30 PM
- Hall B (2, DLCC)

[T141. Arsenic, Fluoride, and Other Geogenic Contaminants in Groundwater: Advances in Application of Data Science, Machine Learning for Risk Assessment and Monitoring for Sustainable Mitigation of Associated Health Hazards \(Posters\)](#)

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[T16. No Well Left Behind: Quantifying Impacts and Improving Management of Active, Abandoned, and Orphaned Oil and Gas Wells to Safeguard Air, Water, and Land Resources](#)

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- 310 / 311 (3, DLCC)

**Tuesday, 17 October 2023 cont.**[T39. Geoscience and Hydrology of Your Public Lands: STEM Internships, Research, Science, Mapping, Resource Management, and Education](#)

- 1:30 PM - 5:30 PM
- 335 (3, DLCC)

[T158. Lakes of the World through Time and Space II: Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources](#)

- 1:30 PM - 5:30 PM
- 334 (3, DLCC)

**Wed, 18 October 2023**[T17. Environmental Geochemistry and Health I](#)

- 8:00 AM – 12:00 PM
- 333 (3, DLCC)

[T72. From Coastal Lowlands to Shallow Shelf: Environmental Processes of the Coastal Critical Zone through Time and Space](#)

- 8:00 AM – 12:00 PM
- 303 (3, DLCC)

[T82. What's in a Fault? Fault Structure, Deformation Mechanisms, and Why Fault Zones Matter to Society: In Honor of James P. Evans](#)

- 8:00 AM – 12:00 PM
- 315 / 316 (3, DLCC)

[T145. Advances in Managed Aquifer Recharge](#)

- 8:00 AM – 12:00 PM
- 319 (3, DLCC)

[D12. Recent Advances in Hydrogeology](#)

- 8:00 AM – 12:00 PM
- 327 (3, DLCC)

[T34. Early Involvement in Geoscience Research Among K9–16 Students Can Ensure Sustained Growth of the Discipline \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T82. What's in a Fault? Fault Structure, Deformation Mechanisms, and Why Fault Zones Matter to Society: In Honor of James P. Evans \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T104. Sources, Sinks, Transport, and Storage of Sediment in Fluvial Systems \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T158. Lakes of the World through Time and Space: Archives of Climate Variability, Paleoenvironment, Geohazards, and Economic Resources \(Posters\)](#)

- 8:00 AM – 5:30 PM
- Hall B (2, DLCC)

[T17. Environmental Geochemistry and Health II](#)

- 1:30 PM - 5:30 PM
- 333 (3, DLCC)

[T42. Records of Quaternary Climate, Hydrology and Landscape Evolution in the Great Basin, USA](#)

- 1:30 PM - 5:30 PM
- 321 (3, DLCC)

[T96. Salinization of Freshwater](#)

- 1:30 PM - 5:30 PM
- 317 / 318 (3, DLCC)

Wed, 18 October 2023 cont.

[T146. Advances in Monitoring, Mapping, and Modeling Saltwater Intrusion and Groundwater Salinity](#)

- 1:30 PM - 5:30 PM
- 319 (3, DLCC)

[D12. Recent Advances in Hydrogeology](#)

- 8:00 AM - 5:30 PM
- Hall B (2, DLCC)

## Non-technical Division Events at GSA Connects 2023



### Hydrogeology Division Management Board Meeting I

Sunday, Oct. 15th  
11:00 AM - 1:30 PM  
412 (4, DLCC)



### [2023 Henry Darcy Lecture](#)

Monday, Oct. 16th  
5:00 PM - 6:00 PM  
406 (4, DLCC)

The National Groundwater Association's 2023 Darcy Lecturer, Dr. Alicia Wilson, will present her lecture titled **Subseafloor Hydrogeology: Moving Beyond Watersheds**.



### Hydrogeology Division Awards Ceremony

Tuesday, Oct. 17th  
11:30 PM - 1:30 PM  
Ballroom A (3, DLCC)

This will be a non-ticketed bring your own lunch event. Please grab a lunch from one of the Convention Center's vendors and help us celebrate this year's award winners! Everyone is welcome to stay for the division's business meeting immediately following the Awards Ceremony.



### Hydrogeology Division Business Meeting

Tuesday, Oct. 17th  
1:30 PM - 2:30 PM  
Ballroom A (3, DLCC)



### Hydrogeology Division Career and Networking Event

Tuesday, Oct. 17th  
3:30 PM - 5:00 PM  
Ballroom A (3, DLCC)

**Students**, join us for this opportunity to meet with professionals from a variety of agencies, institutions, and companies for discussions about career paths in the field of Hydrogeology.



## Non-technical Division Events at GSA Connects 2023 cont.

### 2023 Birdsall-Dreiss Distinguished and LaMoreaux International Lecture



Tuesday, Oct. 17th  
5:00 PM - 6:00 PM  
406 (4, DLCC)

GSA's 2023 Birdsall-Dreiss Distinguished and LaMoreaux International Lecturer, Dr. Ken Belitz will present his lecture titled **The Quality of Groundwater Used for Public Supply in the Continental United States.**



### Hydrogeology Division Student Reception

Tuesday, Oct. 17th  
6:00 PM - 8:00 PM  
Ballroom A (3, DLCC)

**Students**, join us for free food, beverages, games, prizes, and networking. It doesn't get any better than this! The prizes available this year include the following analytical services and software licenses. We like to ensure that these prizes go to students whose research will benefit from them. So, students, we encourage you to talk with your advisor if you are unsure whether these will be useful for you.

- voucher for twenty SF<sub>6</sub>/CFC analyses (donated by the Tritium Laboratory at the University of Miami)
- voucher for ten tritium analyses (donated by the Tritium Laboratory at the University of Miami)
- voucher for twelve  $\delta^{18}\text{O}$  +  $\delta^2\text{H}$  analyses (donated by the Environmental Isotope Laboratory at the University of Waterloo)
- single-user license for [SigmaPlot](#) (donated by Inpixon)
- single-user, one-year license for the following [Waterloo Hydrogeologic](#) software products: Visual MODFLOW Flex Pro, AquaChem, and AquiferTest Pro (donated by Waterloo Hydrogeologic)
- single-user, one-year license for [Hydrus](#) 5.x – 3D-standard without add-on modules (donated by PC-Progress)
- license for Groundwater Vistas 8 (3 of these will be available) (donated by Environmental Simulations Incorporated)
- one-year license for [GMS](#) MODFLOW Pro (donated by Aquaveo)

In addition to the above, we have a lot of books, free GSA memberships, and swag to give away. The Hydrogeology Division thanks all of those who donate prizes for our student reception. A full listing of donors will appear in the Winter 2024 edition of the Hydrogeologist. Students, help us thank our donors by filling out the thank you card attached to your prize and leaving it in the boxes provided at the student reception.



### Hydrogeology Division Management Board Meeting II

Wednesday Oct. 18th  
7:00 AM - 9:00 AM  
412 (4, DLCC)

### **Students - The GSA Hydrogeology Division is seeking a Student Representative**

The division's management board has identified the following expectations for the student representative.

- This is a volunteer position with a two-year term.
- The student representative will
  - serve on the GSA Student Advisory Council as the Hydrogeology Division's representative during the second year of their term,
  - bring ideas about students' needs to the division's management board,
  - attend GSA Connects at the start of their term and while at the meeting will make every effort to attend the division's board meetings, award ceremony, and business meeting,
  - make every effort to attend management board meetings during their term (held virtually, usually once a month).

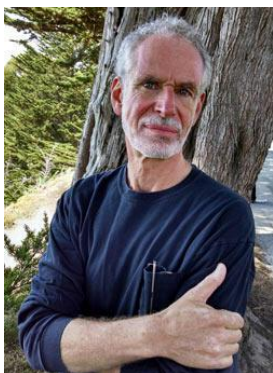
Interested students should contact Desire Piphus at [piphusdm@gmail.com](mailto:piphusdm@gmail.com).



Dr. Jimmy Jiao

### **Dr. Jimmy Jiao Receives the 2023 O.E. Meinzer Award**

Dr. Jimmy Jiao, Professor in the Department of Earth Sciences at the University of Hong Kong, will be presented with the O.E. Meinzer award at this year's GSA Connects. The O.E. Meinzer Award is presented annually to the author or authors of a published paper or body of papers of distinction that advance the science of hydrogeology or some closely related field. Dr. Jiao is receiving the Meinzer award in recognition of his fundamental research on coastal hydrogeology, particularly the mechanistic insights on the physiochemical interaction at the sea-land interface. Dr. Jiao has more than two hundred and forty publications and has synthesized his research and the voluminous literature on Coastal Hydrogeology into a textbook. This book is highly acclaimed and has helped to make groundwater science concerning coastal hydrogeology accessible to a wide range of readers.



Dr. Clifford Voss

### **Dr. Clifford Voss is the 2023 Recipient of the George Burke Maxey Distinguished Service Award**

The George Burke Maxey Award is given annually in recognition of distinguished service and contributions to the field of hydrogeology. This year's recipient of the Maxey Award is Dr. Clifford Voss. Dr. Voss spent his career as a research scientist with the U.S. Geological Survey (USGS). He retired from the USGS in 2019 and continues there as an Emeritus Scientist. Throughout his career, Dr. Voss has contributed valuable service to the field of Hydrogeology. Most notably, he has held the position of Executive Editor of Hydrogeology Journal since 1994. In this role, Dr. Voss has helped Hydrogeology Journal become one of the leading journals in the field of Hydrogeology. He frequently gives lectures and was GSA's 2015 Birdsall-Dreiss distinguished lecturer. He is an accomplished groundwater modeler and is in demand as a consultant and graduate student advisor.

Do you have an interesting idea for a short scientific article? Perhaps an opinion on a new policy or technique? Any exciting news in your professional life? Upcoming conference? An announcement of interest to the hydrogeology community? A photo that you think would be good for our "Where in the World" feature? If so, why not publish it in the Hydrogeologist? Send your submission ideas to [troot@usgs.gov](mailto:troot@usgs.gov).

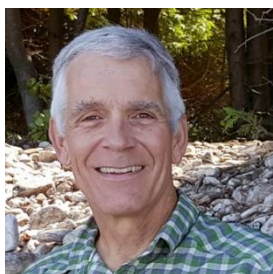
**STUDENTS, WE WANT TO HEAR FROM YOU TOO!**



*Dr. Margaret Zimmer*

## Dr. Margaret Zimmer Selected as the 2023 Kohout Early Career Award Winner

The Kohout Award recognizes outstanding early-career achievement contributing to the hydrogeologic profession through original research and service and demonstrated potential for continued excellence throughout their career. The Hydrogeology Division is pleased to award the 2023 Kohout Award to Dr. Margaret Zimmer at the University of California Santa Cruz. She is being awarded the Kohout award in recognition of her research on surface water-groundwater interactions and on nutrient and carbon storage and cycling as well as for being an outstanding instructor and exemplary mentor.

*Dr. Ken Bradbury*

## Dr. Kenneth Bradbury is the Inaugural Recipient of the Schwartz Award for Excellence in Mentoring and Education

The Schwartz Award is given in recognition of distinguished service to the hydrogeology profession and to the Hydrogeology Division with respect to mentoring and education. This year will be the first time the Schwartz award is presented, and Dr. Ken Bradbury is the inaugural recipient. Dr. Bradbury spent his career at the Wisconsin Geological and Natural History Survey. In addition to conducting research and making substantial contributions to the science of Hydrogeology, Dr. Bradbury was

an outstanding role model and mentor. Throughout his career Dr. Bradbury co-advised or was a committee member for dozens of graduate students. He also served as principal investigator on several grants that funded graduate students. Dr. Bradbury is being recognized, not only for the number of students he mentored and helped to fund, but also for his ability to pass on his knowledge and skills and inspire students, professionals, and the public.

*Dr. Ben Rostron*

## Dr. Ben Rostron Named the 2024 Birdsall-Dreiss Distinguished and LaMoreaux International Lecturer

Dr. Ben Rostron, Founder and President of Isobrine Solutions and Emeritus Professor at the University of Alberta will be the Hydrogeology Division's 2024 Birdsall-Dreiss and LaMoreaux International Lecturer. The lecturer is selected based on outstanding contributions to hydrogeology or a closely related field through original research and public communication and the potential for continued contributions to the profession. Dr. Rostron did his graduate work under József Tóth developing multiphase numerical models to simulate petroleum migration and entrapment. He is an expert on the chemistry of formation waters and is the preeminent scholar of the hydrogeology of the Western Canada sedimentary basin. During his lectureship Dr. Rostron will visit both U.S. and international institutions. Additional details about the talks Dr. Rostron will offer and how to request a talk at your institution will be made available later in the year on the Hydrogeology Division's Birdsall-Dreiss Lecturer [webpage](#).

## From the Editor

Welcome to the Fall 2023 edition of The Hydrogeologist. GSA Connects 2023 is just a few days away! This edition of the Hydrogeologist focusses on the details of the upcoming meeting. I hope you find the information provided in this edition helpful for planning your meeting. This will be the first GSA meeting I have attended since the pandemic, and I am excited to see everyone! In the interest of getting this edition of the newsletter out in time to help everyone plan for the meeting, I have not included a "Where in the World" feature. The next issue of The Hydrogeologist will include a new "Where in the World" and will also summarize this year's GSA Connects. Please send me any photos from the meeting that you think would make a good addition to the next newsletter.

Tara Root (troot@usgs.gov)

## Congratulations to the 2023 Hydrogeology Division Graduate Student Research Award Winners

**Vy Le**, PhD student, University of Wisconsin - Madison

Supervisor: Dr. Christopher Zahasky

Title: In situ measurement of dynamic arsenic transport in iron-enriched sand column experiments using positron emission tomography

**Rachel Kozloski**, PhD student, University of Nevada - Reno

Supervisor: Dr. Monica Arienzo

Title: Microplastic movement between surface and groundwater in effluent ponds and connected natural systems

**Hesham Elhaddad**, PhD student, Western Michigan University

Supervisor: Dr. Mohamed Sultan

Title: Assessment and management of excess Lake Nasser waters for sustainable utilization of the Nubian Aquifer

**Matthew Tippet-vannini**, PhD student, Oregon State University

Supervisor: Dr. John Selker

Title: Measuring hydrological effects of soil structure development driven by vegetation colonization in periglacial environments

**Jennifer Abel**, MS student, Northern Illinois University

Supervisor: Dr. Megan Brown

Title: Temporal fluctuations of microplastic concentrations in an agricultural creek and groundwater from farming activities

**Benedicta Akrofi**, MS student, Illinois State University

Supervisor: Dr. Eric Peterson

Title: The influence of tile flow on water movement and the transport fate of nitrate in a saturated riparian buffer: A case study of the T3 site in Central Illinois

### ***Did you know you can follow GSA's Hydrogeology Division on social media?***

Follow the QR codes below to access the division's X (formerly known as Twitter) and LinkedIn pages.



Connect with the GSA Hydrogeology Division on X (formerly known as Twitter) to stay in touch with the cool things Hydrogeologists are working on.



Connect with the GSA Hydrogeology Division on LinkedIn to stay in the loop of hydrogeology-related job openings, research opportunities, and stay updated on the exciting innovations hydrogeologists of all career levels are working on.

## Important Dates

<a href="#">Earth Science Week</a>	8-14 Oct
<a href="#">GSA Connects 2023</a>	15-18 Oct
Association of <a href="#">Earth Science Editors Annual Meeting</a>	1-5 Nov
<a href="#">GeoCorps America</a> and <a href="#">NPS Scientists in Parks</a> summer positions posted	1 Dec
GSA <a href="#">Graduate Student Research Grant program</a> opens to applications	1 Dec
<a href="#">GSA Connects 2024</a> short course and field trip proposal deadline	1 Dec

### THE HYDROGEOLOGIST

The Hydrogeologist is a publication of the Hydrogeology Division of the Geological Society of America. It is published electronically three times a year to communicate news of interest to members of the Hydrogeology Division and can be accessed at: <https://community.geosociety.org/hydrodivision/home>. Members of the Hydrogeology Division who have electronic mail will receive notification of all new issues. Other members will receive paper copies.

Contributions and material are most welcome and should be directed to the Editor. The deadline for the winter issue is Jan. 15, 2024.

Tara Root, Editor  
The Hydrogeologist  
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Caribbean-Florida Water Science Center  
3321 College Ave.  
email: [troot@usgs.gov](mailto:troot@usgs.gov)  
Davie, FL 33314  
phone: 561-400-7719

### OCTOBER 2023

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### NOVEMBER 2023

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### DECEMBER 2023

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31						



Downtown Pittsburgh, image credit Brian Donovan CC BY-SA 2.0

## Hydrogeology Division Contacts

### 2022-2023 Management Board

- **Chair:** Chris Gellasch, [chris.gellasch@emich.edu](mailto:chris.gellasch@emich.edu)
- **First Vice-Chair:** Chris Carlson, [christopher.carlson@usda.gov](mailto:christopher.carlson@usda.gov)
- **Second Vice-Chair:** Don Rosenberry, [rosenberry@mines.edu](mailto:rosenberry@mines.edu)
- **Secretary:** Cara Peterman, [cpeterman@usgs.gov](mailto:cpeterman@usgs.gov)
- **Past-Chair:** Yu-Feng Lin, [yflin@illinois.edu](mailto:yflin@illinois.edu)
- **Student Representative:** Desire Piphus, [piphusdm@gmail.com](mailto:piphusdm@gmail.com)
- **Diversity, Equity and Inclusion (DEI) Officer:** Sue Swanson, [sue.swanson@wisc.edu](mailto:sue.swanson@wisc.edu)
- **Section Representatives Coordinator:** Marcia Schulmeister, [mschulme@ku.edu](mailto:mschulme@ku.edu)

### Standing Committees

- **Technical Program Committee:** Paul Stackelberg (Chair), Marty Frisbee
- **Nominating Committee:** Andrea Brookfield, Ben Rostron, William Cunningham
- **Meinzer Award Committee:** Mark Person, Bill Woessner, Bridgett Scanlon, Holly Michael, Ed Harvey
- **Kohout Early Career Committee:** Dorothy Vesper, Scott Jasechko, Chen Zhu, Christa Kelleher, Barret Kurylyk
- **Maxey Distinguished Service Award Committee:** Prosun Bhattacharya, Steven Ingebritsen, Alan Fryar
- **Birdsall-Dreiss Lecturer Committee:** Laura Crossey, Jonathan Martin, Randy Stotler, Bill Cunningham, Barbara Bekins
- **Archives:** Jim Thomas

### GSA Councilor/Division Liaison Representative

Brian Katz

### Ad Hoc Committees

#### **Section Representatives:**

Cordilleran, Beth Weinman  
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