

Darcy Lecture Series in Groundwater Science



The Henry Darcy Distinguished Lecture Series in Groundwater Science fosters interest and excellence in groundwater science and technology. It was established in 1986 and named in honor of Henry Darcy of France for his 1856 investigations that established the physical basis upon which groundwater hydrogeology has been studied ever since.

Each year, a panel of scientists and engineers invites an outstanding groundwater professional to share his or her work with their peers and students through this lecture series. The Darcy Lecture Series is most often presented at universities and professional associations throughout the world.

Current 2023 Darcy Lecturer — Dr. Alicia Wilson

Alicia Wilson, Ph.D., is a professor of hydrogeology in, and director of, the School of the Earth, Ocean, and Environment at the University of South Carolina. She specializes in coastal hydrogeology, with a particular focus on coastal ecohydrology and submarine groundwater exchange. Wilson is a recipient of the University of South Carolina's Mungo Undergraduate Teaching Award. A fellow of the Geological Society of America, she has served as the chair of the GSA Hydrogeology Division. Wilson holds a Ph.D. from the Johns Hopkins University, an M.S. from Stanford University, and a B.A. from Dartmouth College. She held a National Research Council Postdoctoral Research fellowship at the U.S. Geological Survey in Reston, Virginia, and held a postdoc at the University of California, Santa Barbara.

Wilson will present one of the following two lectures at participating venues in 2022-2023:

- Subseafloor Hydrogeology: Moving Beyond Watersheds
- Please Check Your Assumptions at the Coastline: 15 Years of Wading Through Salt Marshes



Past Ten Darcy Lectures

- **2021-2022 — Chen Zhu, Ph.D.**
 - How Are Geochemical Reactions in Aquifers Connected to Climate Change Mitigation?
 - Hydrogeochemistry: Recent Advances and Opportunities and Challenges Ahead
 - Watershed-Scale Hydrological Models as a Community CyberPlatform for Research, Teaching, and Service to Society
- **2020 — Reed Maxwell, Ph.D.**
 - Hydrology from the Bottom Up: How Groundwater Shapes the Water Cycle
 - Hydrology in the Supercomputing Age: How Computational Advances Have Revolutionized Our Field, and What Big Data and Massively Parallel Simulations Mean for the Future of Hydrologic Discovery
 - Killer Beetles, Naked Trees, and Dirty Water: Understanding Hydrology and Water Quality Impacts from the Mountain Pine Beetle Infestation in the Rocky Mountain West
- **2019 — John Doherty, Ph.D.**
 - Dancing with Models – The Importance of Model Partner Software
 - Starting from the Problem and Working Backwards
- **2018 — Masaki Hayashiki, Ph.D.**
 - Alpine Hydrogeology: The Critical Role of Groundwater in Sourcing the Headwaters of the World
- **2017 — Kamini Singha, Ph.D.**
 - A Tale of Two Porosities: Exploring Why Contaminant Transport Doesn't Always Behave the Way It Should
 - The Critical Role of Trees in Critical Zone Science: An Exploration of Water Fluxes in the Earth's Permeable Skin

- **2016 — Ty Ferré, Ph. D.**
 - Seeing Things Differently: Rethinking the Relationship Between Data, Models, and Decision-Making
- **2015 — Rainer H. Helmig, Ph.D.**
 - Evaluating the Competitive Use of the Subsurface: The Influence of Energy Storage and Production in Groundwater
 - Modeling and Analysis of Soil-Moisture Processes in the Subsurface: The Influence of Evaporation and Salt Precipitation in Groundwater
- **2014 — Dorte Wildenschild, Ph.D.**
 - What Happens in the Pore, No Longer Stays in the Pore: Opportunities and Limitations for Porous Media Characterization and Process Quantification Using X-ray Tomography
 - Optimizing Capillary Trapping as a Carbon Dioxide Mitigation Strategy: Pore-Scale Findings in Support of Larger-Scale Implementation
- **2013 — David L. Rudolph, Ph.D.**
 - Managing Groundwater Beneath the Agricultural Landscape
- **2012 — S. Majid Hassanizadeh, Ph.D.**
 - Transport of Viruses in Partially Saturated Soil and Groundwater
 - Capillarity in Porous Media, on Micro- and Macroscale, Revisited

A full list of past Darcy Lecturers and Videos are available at <https://www.ngwa.org/events-and-education/groundwater-lecture-series/past-lecturers-darcy>

BECOME A SPONSOR - Corporate and individual donations are greatly appreciated.

Thank you for considering being a sponsor of The Henry Darcy Distinguished Lecture Series in Groundwater Science. It takes substantial cost to deliver a lecture series, providing an opportunity for renowned experts in groundwater science and technology to speak directly with the hydrogeology community, engage students through multiple on-campus events, and provide meaningful professional development, without an admission fee.

Sponsorship levels and benefits:

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 - Lecture sponsors name and/or logo listed on all promotional materials
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 - Lecture sponsors will be recognized on slideshow before the presentation
- **Gold (\$5,000 – \$9,999)** – All the benefits of the silver level, plus...
 - Lecture sponsors will be invited to speak during lecture introduction during the presentation at Groundwater Week
- **Platinum (\$10,000 +)** – All benefits of the gold level, plus...
 - Lecturer will given at sponsors location of choice (company or specified location/audience)

Sponsorship contact:

To become a sponsor of the Darcy Lecture Series, please contact Sue Tenney at stenney@ngwa.org or 614-898-7791.

