

# Chen Zhu Named 2021 Darcy Distinguished Lecturer by National Ground Water Association and Groundwater Foundation

## Zhu Will Offer Three Lectures at Selected Institutions in 2021

**D**r. Chen Zhu, professor of Earth and Atmospheric Science and Indiana University, has been selected as the 2021 Darcy Distinguished Lecturer by the National Ground Water Association (NGWA) and Groundwater Foundation (GF).

Established in 1986, the Henry Darcy Distinguished Lecture Series in Groundwater Science fosters interest and excellence in groundwater science and technology throughout the groundwater industry.

In his role as Darcy Distinguished Lecturer, Zhu will be delivering in-person and virtual presentations throughout 2021 at universities and groundwater-oriented events.

Zhu, who specializes in water's reactions with minerals and rocks, exploring the interactions among the hydrosphere, lithosphere, and atmosphere, will offer three lecture topics in 2021:

- **"How Are Geochemical Reactions in Aquifers Connected to Climate Change Mitigation?"** This lecture will give an overview of geological carbon sequestration efforts and of the research advances in reaction kinetics and geochemical modeling necessary to predict the safety of CO<sub>2</sub> storage.
- **"Hydrogeochemistry: Recent Advances and Opportunities and Challenges Ahead"** This lecture will discuss how hydrogeochemistry is front and center in efforts to address many important issues related to water sustainability challenges such as the siting of geological repositories for nuclear waste, geological carbon sequestration, intensified agriculture and nutrient runoff, and rapid urbanization in the less-developed world.

▼ *Dr. Chen Zhu of Indiana University has been named the 2021 Darcy Distinguished Lecturer. The Henry Darcy Distinguished Lecture Series in Groundwater Science was established in 1986 to foster interest and excellence in groundwater science in all parts of the groundwater industry. Dr. Zhu will offer three lectures in 2021.*



- **"Watershed-Scale Hydrological Models as Community Platform for Research, Teaching, and Service to Society"** This presentation will the trials and tribulations of developing a community cyberplatform, the core of which is coupled surface-water and groundwater models of the Wabash River basin.

Zhu holds a Ph.D. from the Johns Hopkins University, an MSc from the University of Toronto, a BS from the Chengdu College of Geology, and a post-doctoral fellowship at the Woods Hole Oceanographic Institution.

He was a Fulbright Scholar and was the 2006 recipient of the John Hem Award from NGWA in recognition of his significant contributions to modeling the chemical evolution of water. In addition, Zhu is the Haydn Murray Chair and an

adjunct professor in the School of Public and Environmental Affairs and School of Public Health at Indiana University. He has been elected a fellow of the American Association for the Advancement of Science, the Mineralogical Society of America, and the Geological Society of America. His book with Greg Anderson, "Environmental Applications of Geochemical Modeling" published by Cambridge University Press, is used as a textbook at universities around the world.

The Darcy Distinguished Lecture is named in of Henry Darcy of France for his 1856 investigations that established the physical basis upon which groundwater hydrogeology has been studied ever since.

For more information about the Darcy Lecture series and to request to host a lecture in 2021, please visit [www.groundwater.org/darcy](http://www.groundwater.org/darcy) to find the presentation request form.💧