



Goldschmidt 2015 workshop

“Reactive Transport Modeling in Geochemical Systems”

Prague, Czech Republic • 15-16 August 2015

Half-price special: Sign up when you register for the Goldschmidt!

Please join us in [Prague](#), cited by many as the most beautiful, charming, and historically intact city in Europe, for two days of hands-on training in reactive transport modeling using The Geochemist's Workbench.

Then stay on in this popular and compelling destination, the hub of [Central Europe](#), for the [Goldschmidt 2015 conference](#), and to enjoy all this fascinating, walkable city and the surrounding the [Czech Republic](#) has to offer.



What you will learn. Following a fully hands-on format, you will learn to construct, trace, and interpret models of transport in reacting geochemical systems. Specific topics covered include:

- Introduction to geochemical modeling
- Transport in flowing groundwater
- Dual porosity models (stagnant zones)
- K_d , Freundlich, and Langmuir sorption
- Surface complexation
- Colloid-facilitated transport
- Reaction kinetics
- Biodegradation
- Dissolution and precipitation
- Microbial catalysis and growth
- Effective graphical presentation
- Creating animation and video

More information? Contact [workshop support](#). Can't come? Consider an alternative from our [2015-2016 workshop lineup](#).

Instructors

The workshops will be presented by [Craig Bethke](#), Ph.D., Brian Farrell, M.Sc., [Kate Maher](#), Ph.D., and Jenny Druhan, Ph.D. Prof. Bethke is the R.E. Grim Professor emeritus at the University of Illinois. He is the primary author of The Geochemist's Workbench software package and author of the [Geochemical and Biogeochemical Reaction Modeling](#) text, published by Cambridge University Press.



Craig
Bethke

Craig Bethke has been cited many times for excellence in teaching. He is a Fellow of the American Association for the Advancement of Science and recipient of a number of prizes in hydrogeology and geoscience, including the O.E. Meinzer Award and M.K. Hubbert Award.

Brian Farrell is the lead Geochemist at Aqueous Solutions LLC, makers of The Geochemist's Workbench. Mr. Farrell is expert in aquifer microbiology, geochemical modeling, and reactive transport in geochemical systems. He has taught short courses in North and South America, Europe, Africa, Asia, and Australasia.



Brian Farrell



Kate Maher

Kate Maher teaches at Stanford University and is an authority on water-rock interaction, weathering, and isotope geochemistry. She teaches environmental geochemistry at the undergraduate and graduate levels. An experienced short course instructor, she is the 2012 Allan Cox medalist. *Due to unforeseen circumstances, Prof. Bethke will present Prof. Maher's lectures.*

Jenny Druhan teaches at the University of Illinois, where she develops reactive transport models and constructs experiments to investigate chemical reactivity and stable isotope fractionation in groundwater flows. An experienced classroom teacher and short course



Venue

Prague, Czech Republic • 15-16 August



The workshop will be presented at the **Geology Department of Charles University in Prague**, the oldest and largest university in the Czech Republic. The street address is:

Geology Department
Albertov 6
Prague, Czech Republic



The workshop runs 8:30 am to 5:00 pm each day.

Registration

Join the workshop when you **register for Goldschmidt 2015**. Simply add "**Reactive Transport Modeling in Geochemical Systems**" to your purchases and you will be enrolled automatically.

Register through the Goldschmidt site by July 16 to take advantage of our **Half-Price Registration Special Offer** of €300. Space is limited, so **sign up early!**

If you prefer to sign up for the workshop but not the Goldschmidt Conference, or to sign up on a space-available basis after July 16, you may **register directly** at the normal price.

The workshop fee includes all course materials. Each registered participant will receive a free 60-day license to The Geochemist's Workbench 10.0 Professional version. We will ask you to bring to the course a laptop with the software installed and running.

**Register
Now**

Registrations are transferable but not refundable. Liability in the event of cancellation or other eventuality is limited to refund of the registration fee.

Travel

Prague is served by **Václav Havel Airport** (IATA code PRG), which hosts flights to points throughout Europe and elsewhere. A number of public transportation options are available to and from the airport, including an **Airport Express** bus that leaves for the city centre every 30 minutes.

Praha hlavní nádraží, the main railway station, offers connections to cities throughout Europe.

Servers in Prague restaurants commonly expect a 10% tip from visitors, but not local residents. It is not necessary to tip a taxi driver, unless he has provided notably good service.

Transit

Charles University is well connected with the Prague public transport system, and has **bus** and **metro** stops nearby.

Accommodations

The workshop venue is **a little more than a kilometer** from the Congress Center, where the Goldschmidt 2015 conference will be held. You may wish to stay in any of a **number of hotels close to the workshop**.

Alternatively, the Goldschmidt has arranged **hotel accommodations** near the Congress Center. Several **hostels** are also available in the general vicinity.

Environment and safety

Upon registration, you will be asked to provide an emergency contact name and telephone number, in the unlikely event of illness or accident, as well as list any special dietary requirements or medical needs.

Prague, like any urban area, is not free of crime. Visitors everywhere should take precautions to protect themselves and their property, such as not walking alone at night and not leaving valuables unattended.

Hosts and sponsors

The workshop is being held thanks to the generous efforts of our **hosts and sponsors**:

