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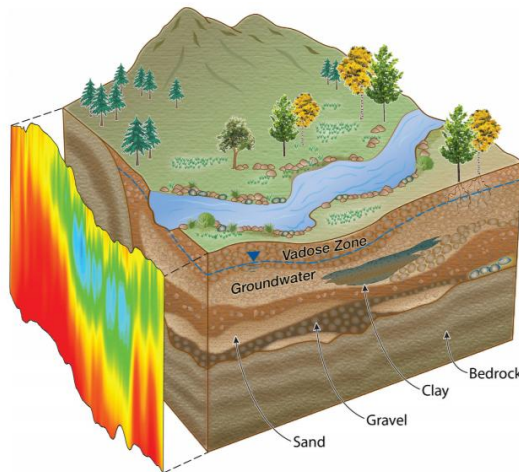
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Monday 30 July 2018  
5.30pm for a 6pm start  
**AECOM office**

Level 21, 420 George Street, Sydney CBD  
Meet in foyer

**\*\*For late arrivals, please phone Angus on 0428691120 for access\*\***



IAH NSW proudly presents a talk by **Todd Halihan, Ph.D., P.Gp.**, Professor of Geology at Oklahoma State University and Chief Technical Officer for Aestus LLC

### **Electrical Hydrogeology: A Picture Is Worth 1000 Wells**

The science of hydrogeology was developed by creating conceptual models of the subsurface based on chemical or physical hydrogeology principles. Numerical and analytical modeling added significantly to the science to understand how best to sample and test these subsurface ideas. The ability to collect high density electrical data on an academic and commercial basis has allowed us to make several new advancements in the science

This lecture will look at how electrical data can allow us to determine the location of flowpaths, find meter-scale structures that change our conceptual models, and monitor life in the subsurface as it grows. Examples will include water supply in porous media and karst domains as well as contaminated sites affected by microbial activity

Todd Halihan has been an associate editor for Groundwater and has served as Secretary-Treasurer of the U.S. Chapter of the International Association of Hydrogeologists. He served as Chair of the Hydrogeology Division and the South-Central Section of the Geological Society of America and currently serves on the Oklahoma governor's Coordinating Council on Seismic Activity

**Please RSVP to:**

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