

## International Webinar Series on Geoenvironmental Engineering

Organized by Prof. Krishna Reddy, University of Illinois at Chicago

Registration: <https://uic.zoom.us/meeting/register/tZMofu2upjsqG9FagImGsA3g9fcSggi0qlvJ>

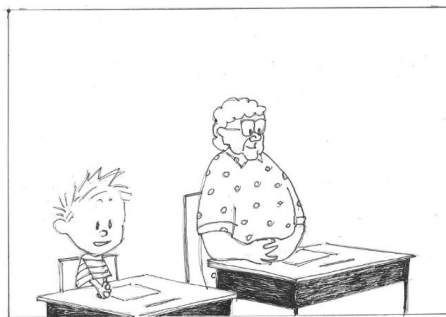
Friday, April 2, 2021, 14:00-15:00 UTC, Presentation by Prof. Marina Pantazidou

### *Title*

Teaching Environmental Geotechnics, Behind the Scenes

### *Subtitle*

Why both **students** and **teachers** can benefit from understanding (a little bit) how the brain works



### **Abstract**

The presentation gives many examples of how learning principles can guide teaching decisions in a course on Environmental Geotechnics, such as: introduce course topics with Essential Questions, provide sign posts for review with Main Points, reinforce learning with Recall Questions and express performance-based requirements with Learning Outcomes. The presentation is prepared for a dual audience of **students** and **professors**.

### **Relevant paper**

M. Pantazidou and K. Kandris (2020). Examples of applying research-based learning principles to the redesign of an environmental geotechnics course, *Int. Journal of Engineering Pedagogy*, 10:1:31-50 ([doi.org/10.3991/ijep.v10i1.11181](https://doi.org/10.3991/ijep.v10i1.11181)) & [online supplement](#).

### **About the speaker**

Marina Pantazidou is an associate professor at the National Technical University of Athens (NTUA), Greece. Before joining NTUA in 2001, she worked in geoenvironmental consulting in the US (1991-1993) and was an assistant professor at Carnegie Mellon University (1994-2000). In 2000-2001, she was a visiting scholar at the Graduate School of Education at UC Berkeley. Her research interests include (1) geoenvironmental engineering and (2) engineering education. She has authored 90 journal and conference papers, about a third of which on education topics, and has edited two special journal issues on geotechnical engineering education.

She is the Chair of ISSMGE's Technical Committee for Geo-engineering Education [TC 306](#) for the 2017-2021 term. She was the chair of the last conference of TC306 on Geotechnical Engineering Education, [GEE 2020](#), which was streamed from Athens, Greece, in June 2020.