**The University of Texas at Austin**
**Geotechnical Engineering Group**
**with Fugro**

**presents the**
*2022 Lymon C. Reese*
*Distinguished Lecture*

**Prof. Sarah Springman**, Emeritus Rector, ETH Zurich
**Friday 01 April 2022**, with lecture starting at 4:30 pm
Mulva Auditorium, EER 0.904, University of Texas at Austin (main campus)

## Rainfall-induced slope processes and failures

Sarah Springman will share experiences from her group at ETH Zurich through field experiments in Switzerland towards understanding the triggering of rainfall induced slope instabilities. Two of the instrumented sites (at circa 400 and 1800 masl) were set up to monitor multi-annual response to precipitation and snowfall/thaw, and two (at circa 400 and 2700 masl) were brought to failure, the larger of which was filmed. She will dwell, in particular, on the influence of how saturation occurred, the slope angle, soil type and strata and depth to bedrock as well as slope drainage and groundwater on the responses at the four sites. Some reference may be made to numerical and physical modelling to explore mechanistic response at some of the sites, before drawing some general conclusions.