

## Biographical Sketch

**MELANIE LIPP** studied Physics from 2011 to 2017 and received a master's degree of Physics from the University of Missouri, St. Louis, in 2015 and from the University of Stuttgart in 2017. Since 2017, she is a doctoral student at the Department of Hydromechanics and Modelling of Hydrosystems, University of Stuttgart, under the supervision of Rainer Helmig. She is working on examining flow and transport processes in domains composed of a porous medium and an adjacent free-flow region. Her focus, so far, has been on studying solution methods suitable for the free-flow subsystem as well as on a local refinement for the free-flow discretization.