Instructors

Thomas Günther is a geophysicist and senior researcher at the Leibniz Institute for Applied Geophysics in Hannover, Germany. He received a PhD in 2004 at the Freiberg University of Mining and Technology, where he already started creating and distributing open-source software for the scientific community from his research, along with his colleagues. Whereas initially the research focused on Electrical Resistivity Tomography and Induced Polarization, it became successively broader, eventually covering the whole range of electromagnetics and Applied Geophysics in general. Overall aim of improved subsurface characterization through modern joint inversion and time-lapse approaches. Current projects deal with electrical and (semi-airborne) electromagnetic methods for mineral prospection or groundwater system characterization. With Carsten Rücker, he has been a developer of pyGIMLi from the very beginning on. Together with other colleagues, he initiated several spin-off software packages (BERT, COMET, custEM, SAEM) for dedicated purposes.

Florian Wagner is a Full Professor in Applied Geophysics at RWTH Aachen University, Germany. His research focusses on the development of multi-physical imaging and monitoring approaches for the quantitative characterization of geological reservoirs and the shallow subsurface. After receiving his PhD on the topic of 3D cross-hole geoelectrical monitoring of CO2 storage reservoirs from ETH Zurich in 2016, he has worked as a postdoctoral researcher in hydrogeophysics at the University of Bonn and as a guest scientist in cryogeophysics at Berkeley Lab before he joined RWTH Aachen University in 2019. Florian has been contrbuting to the development of the pyGIMLi open-source library since more than 10 years.