

Laura Sammon (MathWorks) – A Joint Geochemical-Geophysical Model for the Deep Continental Crust

Laura earned her Ph.D. from the University of Maryland in the spring of 2022 and shortly after became an applications engineer for MathWorks. Her graduate research focused on the Earth's composition, especially the composition of the deep continental crust, and on neutrino geoscience. Now she partners with universities and nonprofit research organizations to support teaching and research across engineering, science, and business disciplines. She teaches Earth and ocean scientists in particular how to use MATLAB more efficiently while advocating for the geoscience community's technical needs at the company.



Michael Weber (Bonn) – Antarctic Ice-Sheet Dynamics – past variability and future projections  
Michael's interest is in the reconstruction of past climate change along major climate transitions on different regional and temporal scales. His most recent focus is on the transition out of the last ice age, the associated (in)stability of the Antarctic Ice Sheet and what these dynamics might tell us about future ice-sheet and climate development. Mike is currently a senior researcher at the University of Bonn's Institute for Geoscience and has previously held positions at Cambridge, the University of Cologne, University of New Brunswick, Oregon State, and the German Federal Institute of Geoscience and Natural Resources. He holds degrees and qualifications from the University of Cologne, University of Bremen, and University of Bonn.



Francesco Civilini (NASA GSFC) – How to Train Your Lander: Automated Moonquake Detection Using Machine Learning

Francesco is a seismologist and a new Research Space Scientist at NASA Goddard within the Solar System Exploration division. He obtained his PhD in Geophysics from Victoria University in Wellington, NZ and has conducted postdoctoral work at the USGS, NASA Marshall, and Caltech. His main research focus is algorithm development for land-side decision making and further extraction of seismic insights from legacy datasets. In his spare time he like to keep active by doing music open mic nights, Muay Thai kickboxing, and Brazilian Zouk dancing.

