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Project: Investigate the internal structure of Ries and Steinheim craters, two transitionally sized impact craters in Southern Germany

Description
My project will investigate the internal structure of Ries and Steinheim craters, two transitionally sized impact craters in Southern Germany. Fieldwork will take place in August of 2017 in collaboration with A. Jõeleht from University of Tartu, Estonia and T. Kenkmann of University of Freiburg, Germany. We will acquire high resolution seismic reflection profiles across Ries and Steinheim craters to image their internal structure up to 1-2 km depth. This field work would be the first time that the craters have been imaged using high-resolution seismic reflection data, and this data aim help to understanding of the cratering process and the transition from simple bowl shaped craters to complex craters with central uplift, a peak ring or a series of peak rings. I am very excited to take part in this research and honored to have received the Barringer Family Fund for Meteorite Impact Research Grant.