Roel has been doing this workshop around the world, not only for students but also for scientists of all ages, namely for those supervising early career scientists.

Message from the Speaker: The current model for training researchers is very much like the medieval system where an apprentice follows a master for years of training. This model gives graduate students valuable hands-on experience. What often lacks in this educational model is an explicit transfer of skills and information at a rate and moment in time that is effective for acquiring research skills in a timely manner. For this reason I started the course “The Art of Science”. I teach this material in different forms; as a semester-long course, as a short course of a few afternoons, or as a single one-hour seminar. Depending on the length of the course and the wishes of the audience I choose from the following topics: What is science? How to choose a research topic and an advisor. Questions drive research. Challenges and opportunities in science. Using the scientific literature. Oral and written communication. Publishing papers. Time management. Writing proposals. The scientific career. Applying for a job.

The Speaker: Roel Snieder holds the Keck Foundation Endowed Chair of Basic Exploration Science at the Colorado School of Mines. He is author of the textbooks “A Guided Tour of Mathematical Methods for the Physical Sciences”, “The Art of Being a Scientist”, and “The Joy of Science” that are published by Cambridge University Press. Roel is a foreign member of the Royal Netherlands Academy of Arts and Sciences. In 2016 Roel received the Beno Gutenberg Medal from the European Geophysical Union and the Outstanding Educator Award from the Society of Exploration Geophysicists. More: http://inside.mines.edu/~rsnieder/