



Title Professional development education for graduate students and other young academics

Speaker Prof. Roel Snieder
W.M. Keck Distinguished Chair of Exploration Science, and the Interim Head of the Department of Geophysics at the Colorado School of Mines.



Date & Time Thursday, March 28, 2019 3:00 p.m.- 4:30 p.m.

Place 543, West Zone 2, Ito Campus, Kyushu University

Abstract

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. This contains practical skills for doing research (e.g., choosing a research topic, what to do when being stuck, oral and written communication) as well as skills that are needed for a successful professional career (such as negotiation, teamwork, time management, ethics). This material can be delivered through a combination of courses and workshops. In this seminar I present examples of the delivery of material and share best practices for delivering professional development education.

About the Speaker

Roel Snieder holds the W.M. Keck Distinguished Chair of Professional Development Education at the Colorado School of Mines. He received in 1984 a Masters degree in Geophysical Fluid Dynamics from Princeton University, and in 1987 a Ph.D. in seismology from Utrecht University. In 1993 he was appointed as professor of seismology at Utrecht University, where from 1997-2000 he was appointed as Dean of the Faculty of Earth Sciences. Roel served on the editorial boards of Geophysical Journal International, Inverse Problems, Reviews of Geophysics, the Journal of the Acoustical Society of America, and the European Journal of Physics. In 2000 he was elected as Fellow of the American Geophysical Union. 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. In 2011 he was elected as Honorary Member of the Society of Exploration Geophysicists, and in 2014 he received a research award from the Alexander von Humboldt Foundation. In 2016 Roel received the Beno Gutenberg Medal from the European Geophysical Union and the Outstanding Educator Award from the Society of Exploration Geophysicists. From 2000-2014 he was a firefighter in Genesee Fire Rescue where he served for two years as Fire Chief.

Host : Prof. Takeshi Tsuji

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