The WE-Heraeus Autumn School offers the opportunity for PhD students and young researchers to enhance their knowledge in the field of satellite gravimetry. The school will teach different approaches for recovering the Earth’s gravity field from satellite-to-satellite tracking data. The topic is particularly relevant because of the success of GRACE and because of the upcoming GRACE Follow-On mission. The 5-day program includes morning theory lectures on core topics taught by international experts on the field, as well as intensive afternoon computer exercises in groups on gravity field determination. Evening talks will highlight the latest progress in space geodesy and sensor systems as well as relativistic geodesy.

**CORE TOPICS**

**Day 1:** Theory of parameter estimation in satellite gravimetry  
Jürgen Kusche, Institut für Geodäsie und Geoinformation, Universität Bonn

**Day 2:** Orbit determination  
Adrian Jäggi, Astronomisches Institut, Universität Bern

**Day 3:** Classical (variational) approach  
Srinivas Bettadpur, Center for Space Research, University of Texas at Austin

**Day 4:** Acceleration approach  
Matthias Weigelt, Faculty of Science, Technology and Communication, University of Luxembourg

**Day 5:** Energy balance approach  
Christopher Jekeli, School of Earth Sciences, Ohio State University

**Evening talks** by Reiner Rummel (TU München), Jakob Flury (Leibniz Universität Hannover), Gerhard Heinzel (Leibniz Universität Hannover), Torsten Mayer-Gürr (TU Graz), Claus Lämmerzahl (ZARM Bremen)

**Application deadline:** July 31, 2015

To apply and for more information please visit the geo-Q website at www.geoq.uni-hannover.de/autumnschool

Scientific organization: Prof. Dr. Jakob Flury and Dr. Majid Naeimi, Collaborative Research Center SFB 1128 “Relativistic geodesy and gravimetry with quantum sensors” (geo-Q), Leibniz Universität Hannover, Germany