

The Istituto Ricerche Solari Locarno (IRSOL) and Seminar for Applied Mathematics (SAM) of the ETH Zurich seek to appoint a motivated PhD candidate for carrying out a research project in the field of numerical radiative transfer. IRSOL is a small observatory for solar physics, specialized in high precision polarimetry. The main activities comprise polarimetry of the Sun, theoretical spectroscopy, and numerical radiation magnetohydrodynamic simulations of the solar atmosphere. The research project shall be carried out in cooperation with SAM. SAM conducts fundamental research in the development and mathematical analysis of efficient discretizations for problems in engineering and the sciences as well as their implementation on supercomputers and provides education in applied mathematics, numerics and scientific computing on all levels.

Further details are available at

http://www.irsol.ch/pdf/job_announcement_phd2015.pdf