



## **Reconstructing Solar Magnetic Field Evolution Over the Past Century**

Alexei Pevtsov

National Solar Observatory, Boulder, United States (apevtsov@nso.edu)

This talk will review the current state of long- term synoptic programs and present results of several recent projects aimed at reconstructing a more detailed picture of solar activity over the last century. In particular, we will present the recent findings and discuss open questions of research projects by international team 420 supported by the International Space Science Institute (Bern, Switzerland, see <http://www.issibern.ch/teams/solheliomagnet/#>). The team aims at developing methods to study the evolution of magnetic activity prior to modern age of solar magnetography using historical data from Kodaikanal (India) and Mount Wilson (USA) observatories and modern surface flux transport models.