



## TRAINING SCHOOL MATERIAL

**Thomas Rimmele** (*National Solar Observatory, USA*)

The Largest solar ground based facility DKIST (ATST) General overview

The Largest solar ground based facility DKIST (ATST) Post-focus instrumentation, adaptive optics..

The Largest solar ground based facility DKIST (ATST) operational modes, data handling, data archive, collaboration, and opportunity for scientists.

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**Mats Löfdahl** (*Institute for Solar Physics*)

Ground based solar telescope (SST):

General overview, the current and planned instrumentation. A typical observing day at the SST

Data acquisition and reduction and the science done with them

Imperfections in image formation (seeing, stray light, instrument polarization, etc.).

Image restoration, in particular with MOMFBD.

The CRISPRED data pipeline

Simple manipulation of a CRISP data cube

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**David R. Williams** (*Mullard Space Science Laboratory, University College London*)

Space Solar Instrumentation

**Tiago Pereira** (*Institute of Theoretical Astrophysics, University of Oslo*)

[Introduction to IRIS, Overview of IRIS, capabilities and resources, Obtaining and searching IRIS data, IRIS data tools. Analysis of IRIS data, Working with IRIS data, Additional data calibration, Extracting properties of Mg II spectra, Working with FUV lines](#)

**Francesca Zuccarello** (*Università di Catania*)

[EST - European Solar Telescope. SOLARNET Project FP7](#)

**Aleš Kučera** (*Astronomical Institute of the Slovak Academy of Sciences*)

Lectures on complementary skills: [European Solar Organizations: EAST - JOSO, CESRA, SPS-EPS](#)

**Julius Koza** (*Astronomical Institute of the Slovak Academy of Sciences*)

Lectures on complementary skills: [How to write a scientific paper](#)

**Matúš Kozák** (*Astronomical Institute of the Slovak Academy of Sciences*)

Work with Coronal Multichannel polarimeter (CoMP) at Lomnický štít Observatory