

Swiss EST Workshop

Preliminary Program

----- **October 8** -----

12:30-13:00 Arrival, registration, coffee

13:00-13:10 Welcome

13:10-15:30 Session 1: EST and Swiss solar science and instrumentation

1. Hector Socas-Navarro (EST FC, Spain): *European Solar Telescope*
2. Svetlana Berdyugina (IRSOL): *Solar science and instrumentation developments at IRSOL and prospects for contributions to the EST*
3. Lucia Kleint (Uni Bern): *talk title TBC*
4. Simone Ulzega (ZHAW) & Dr. Carlo Albert (ETHZ/EAWAG): *Shedding light on the solar dynamo using Bayesian data science*
5. Daniele Allegri & Roberto Gardenghi (SUPSI): *talk title TBC*
6. Laurent Jolissaint (HEIG-VD): *Recent achievements in astronomical instrumentation at the University of Applied Science Western Switzerland and application to EST*
7. Andrea Battaglia (IRSOL), Säm Krucker (FHNW), Louise Harra (ETHZ/PMOD/WRC): *Current and future solar space missions with Swiss contributions*

15:30-16:00 Coffee break

16:00-16:40 Discussion Panel on Swiss contribution to the EST instrumentation

- Claudia Ruiz de Galarreta (EST FC, Spain), EST Instruments Systems Engineer
- Michel Hübner (EPFL), Industrial Liaison Adviser
- TBC

16:40-18:00 Session 2: Sun as a laboratory for astro-, geo- and fundamental physics

8. Patrick Eggenberger (Uni Geneva): *Open questions in stellar physics*
9. Xavier Dumusque (Uni Geneva): *Open questions in stellar activity for exoplanet detection and characterization*
10. Marin Wild (ETHZ): *Decadal changes in solar radiation reaching the Earth's surface*
11. TBC

19:00 Social dinner

----- **October 9** -----

09:00-11:00 Session 3: Numerical technologies and synergies with other large research infrastructures

1. Brandon Panos (FHNW): *A Spin-Glass Formulation for Solar Magnetic Field Disambiguation*
2. Ernst Wit (USI/Informatics): *USI Faculty of Informatics*
3. Riccardo Ben Ali Zinati, Antonio di Noia, Heikki Haario, & Prof. Antonietta Mira (USI/Economics): *Generalized Bayesian inference for chaotic systems*
4. Volodymyr Savchenko (EPFL): *Open access data and science initiatives for astro- and particle physics in Switzerland*
5. Maria Grazia Giuffreda (CSCS): *talk title TBC*
6. TBC

11:00-11:30 Coffee break

11:30-12:00 Discussion Panel on Swiss contribution to the EST Data Centre

- Hector Socas-Navarro (EST FC)
- Maria Grazia Giuffreda (CSCS)
- TBC

Adjourn 12:00