

**Second meeting of the ISSI-ISSI Beijing international team “Magnetohydrostatic
Modeling of the Solar Atmosphere with New Datasets”
August 26th-30th, 2024**

Agenda

Note: All times specified correspond to CEST (UTC+02:00)

Monday, 26th August

- 09:00-09:15 Welcome (M. Sargent, ISSI)
- 09:15-09:45 Solar magneto-hydro-static modeling using MHD relaxation and optimization method: Testing with analytical and numerical solutions (Xiaoshuai Zhu)
- 09:45-10:15 3D MHS Equilibria: Some Updates (Thomas Neukirch)
- 10:15-10:45 Coffee Break, team photo
- 10:45-11:15 Analytical 3D MHS Equilibria: Practical Aspects – Updates (Lilli Nadol)
- 11:15-11:45 Computation of magnetohydrostatic fields using a robust divergence-free magnetohydrodynamic relaxation method (Takahiro Miyoshi)

Tuesday, 27th August

- 09:00-09:30 Finite Plasma β Three-dimensional Magnetic Field Extrapolation Based on MHD Relaxation Method (Daiki Yamasaki)
- 09:30-10:00 Automatic computation of linear magneto-hydro-static equilibria (Thomas Wiegmann)
- 10:00-10:30 Recent progresses on MHS modeling: magnetogram preprocessing and combination of MHS and NLFFF methods (Xiaoshuai Zhu)
- 10:30-11:00 Coffee Break
- 11:00-11:30 (Iulia Chifu)
- 11:30-12:00 The role of magnetic field structures in white-light flares (Yongliang Song)

Wednesday, 28th August

- 09:00-09:30 Progress on Mid-infrared Solar Observation at Huairou Solar Observing Station (Xianyong Bai)
- 09:30-11:00 Discussion: MHS modeling, idea/draft for the first paper

Thursday, 29th August

- Small group discussion

Friday, 30th August

- Small group discussion

Participants in attendance:

Xianyong Bai

Iulia Chifu

Takahiro Miyoshi

Lilli Nadol

Thomas Neukirch

Xiaoshuai Zhu

Yongliang Song

Participants with remote access:

Ricardo Gafeira

Thomas Wiegelmann

Daiki Yamasaki

Jie Zhao