

# Monday



## Abstracts



8:30 AM

### Welcome

#### ELTs program review – Chair: S. Esposito

9:00 AM Invited Talk: Giant Magellan Telescope Adaptive Optics Overview

*Bouchez Antonin*

9:30 AM Invited Talk: TMT Adaptive Optics Facility Status Report

*Boyer Corinne*

10:00 AM Invited Talk: ELT Telescope Wavefront Control

*Bonnet Henri*

10:30 AM

#### Partner Exhibition

#### Coffee break

#### Current design of ELT AO system (I) – Chair: C. Bond

11:00 AM Invited Talk: Extreme Adaptive Optics from 8- to 40-m telescopes

*Markus Kasper*

11:30 AM GMagAO-X: A First Light Coronagraphic Adaptive Optics System for the GMT

*Kautz Maggie*

11:50 AM GMT NGAO Integrated Modeling

*Rod Conan*

12:10 PM MORFEO enters final design phase

*Busoni Lorenzo*

12:30 PM

#### Poster Session

#### Lunch

#### Current design of ELT AO system (II) – Chair: I. Montilla

2:00 PM Performance analysis of HARMONI SCAO system in the ELT telescope environment

*Bond Charlotte*

2:20 PM MICADO SCAO: to be or not to be... in MAIT

*Clenet Yann*

2:40 PM METIS SCAO - implementing AO for ELT

*Bertram Thomas*

3:00 PM LTAO Mode of HARMONI : Status and update

*Heritier Cedric*

3:20 AM

#### Partner Exhibition

#### Coffee break

#### Post processing with AO – Chair: C. Correia

4:00 PM Invited Talk: Linking the high-contrast performance with AO internal data and environmental parameters. Lessons learnt from the HC Data Center perspectives for the ELT.

*Mouillet David*

4:30 PM Prediction of AO corrected PSF for AOF NFM/SPHERE

*Kuznetsov  
Arseniy*

4:50 PM Combining statistical learning with deep learning for improved exoplanet detection and characterization

*Flasseur Olivier*

5:10 PM Pushing ELTs' sensitivity through PCA background subtraction

*Rousseau H el ene*

5:30 PM PSF reconstruction from hyper-spectral AO science images - from VLT to ELT

*Lau Alexis*

5:50 PM Towards the MICADO@ELT PSF reconstruction with simulated and real data

*Simioni Matteo*

6:30 PM

#### Poster Session

#### Cocktail