

# Wednesday



## Abstracts



### AO pathfinders and new concepts (I) – Chair: M. Van Kooten

8:30 AM	<u>Invited Talk</u> : Keck's Current and Future Roles as an ELT AO Pathfinder	<i>Wizinowich Peter</i>
9:00 AM	Status of the SCEXAO platform - a multi-purpose instrument, testbed, and technological demonstrator for high-contrast imaging.	<i>Deo Vincent</i>
9:20 AM	Experimental results of an apodized vortex coronagraph for segmented apertures	<i>Bertrou-Cantou Arielle</i>
9:40 AM	Keck Planet Imager and Characterizer: status updates	<i>Delorme Jacques-Robert</i>
10:00 AM	SAXO+: Status update of the current design study.	<i>Vidal Fabrice</i>
10:20 AM	<b>Partner Exhibition</b>	<b>Coffee break</b>

### AO pathfinders and new concepts (II) – Chair: L. Busoni

10:45 AM	<u>Invited Talk</u> : Laser guide Star Sensor Integrated Extreme adaptive optics (LASSIE)	<i>Schatz Lauren</i>
11:15 AM	MAVIS Project Update	<i>Rigaut Francois</i>
11:35 AM	Laboratory Acceptance and Telescope Integration of the Gran Telescopio Canarias Adaptive Optics System	<i>Reyes Garcia-Talavera Marcos</i>
11:55 AM	CiaoCiao WFS: sensing phase discontinuities at the Extremely Large Telescope	<i>Carla Giulia</i>
12:15 AM	<b>Extended Poster session</b>	<b>Lunch</b>

### Wavefront Sensing (III) – Chair: J.-P. Véran

2:00 PM	Experimental validation of large differential piston sensing with the double-wavelength LIFT	<i>Lombardi Simone</i>
2:20 PM	Non-Common Path Aberrations Strategy for the METIS High Contrast Imaging Modes	<i>Orban De Xivry Gilles</i>
2:40 PM	Using numerical models and iterative algorithms to perform non-linear reconstruction of Fourier-filtering wavefront sensor signals.	<i>Chambouleyron Vincent</i>
3:00 PM	The Giant Magellan Telescope Wide-field Phasing Testbed	<i>Mcleod Brian</i>
3:20 PM	Experimental validation of Flip-flop modulation on the ESO GHOST	<i>Engler Byron</i>
3:40 PM	<b>Partner Exhibition</b>	<b>Coffee break</b>

### Wavefront Sensing (IV) – Chair: V.Chambouleyron

4:10 PM	The duality of coronagraphy and wavefront sensing: reaching the fundamental sensitivity limit on arbitrary apertures with the Phase Induced Amplitude Apodized Zernike Wavefront Sensor (PIAA-ZWFS).	<i>Haffert Sebastiaan</i>
4:30 PM	Wavefront Control for Improved Starlight Rejection Through a Single-Mode Fiber	<i>Lieberman Joshua</i>
4:50 PM	Pyramid wavefront sensor with laser guide star: Photon noise and convolutional model	<i>Oyarzun Francisco</i>
5:10 PM	Polychromatic optical gain tracking model with MKID-based pyramid wavefront sensor	<i>Magniez Aurelie</i>
5:30 PM	ZELDA WFS for the ELT-HARMONI high-contrast module - Calibration of the sensor under realistic observation conditions	<i>Hours Adrien</i>
5:50 PM	Simultaneous wavefront sensor and coronagraph dark hole calibration: real time optical gain tracking with incoherent focal plane speckles	<i>Mcewen Eden</i>

### ALPAO – FIRST LIGHT IMAGING Cocktail Reception

7:00 PM **Espace Jeanne Laurent**