



Thursday



Abstracts



AO pathfinders and new concepts (IV) – Chair: J. Lozi

8:30 AM	<u>Invited Talk:</u> PAPHYRUS: current status and updates	<i>Fetick Romain</i>
9:00 AM	Enabling high resolution visible AO at the W.M. Keck Observatory	<i>Marin Eduardo</i>
9:20 AM	Commissioning Status of the MAPS Adaptive Optics System on the MMT	<i>Taylor Jacob</i>
9:40 AM	SOUL at LBT: commissioning results, science and future.	<i>Pinna Enrico</i>
10:00 AM	The photonic lantern wavefront sensor: on-sky and lab demonstration of photonic focal plane wavefront sensing, PSF reconstruction and single-mode fiber-injection with machine learning	<i>Norris Barnaby</i>
10:20 AM	Partner Exhibition	Coffee break

AO pathfinders and new concepts (V) – Chair: L.Schatz

11:00 AM	<u>Invited Talk:</u> MagAO-X: a pathfinder for GMT extreme-AO and the search for life with the ELTs	<i>Males Jared</i>
11:30 AM	Exoplanet imaging with ExAO: exploring a second-stage AO approach with a Zernike wavefront sensor for high-contrast imaging with ELTs	<i>N'diaye Mamadou</i>
11:50 AM	Progress on adaptive optics for astronomy in Key Laboratory of Adaptive Optics, Chinese Academy of Sciences	<i>Rao Changhui</i>
12:10 PM	Demonstration of real-time linear closed-loop control with a photonic lantern focal-plane wavefront sensor	<i>Lin Jonathan</i>
12:30 PM	Poster session	Lunch

ELT Science with AO (I) – Chair: N. Martinez

2:00 PM	<u>Invited Talk:</u> Astrometry with MAVIS: Pushing Past the Limits of Gaia to the Crowded Centres of Globular Clusters	<i>Monty Stephanie</i>
2:30 PM	The TMT approach to maximizing value from key performance parameters	<i>Trancho Gelys</i>
2:50 PM	Upgrades of FIRST at Subaru/SCEAO for Halpha imaging of protoplanets using photonics	<i>Lallement Manon</i>
3:10 PM	MODHIS: the first-light single-mode fiber fed high resolution exoplanet characterization spectrograph for the TMT, project overview and status	<i>Fitzgerald Michael</i>
3:30 AM	Multi-(sub)ApertureFiber Nulling for Exoplanet Sciences	<i>Wang Ji</i>
3:50 AM	Partner Exhibition	Coffee break

ELT Science with AO (II) – Chair: E.Huby

4:20 AM	<u>Invited Talk:</u> The LBTI as an ELT pathfinder	<i>Ertel Steve</i>
4:50 PM	An overview of the key science drivers and expected scientific performance of the combined GNAO + GIRMOS system	<i>Lamb Masen</i>
5:10 PM	RISTRETTO at the VLT: a pathfinder for ELT-ANDES and ELT-PCS	<i>Lovis Christophe</i>
5:30 PM	Final design and estimated performance of the ELT/METIS high-contrast imaging modes	<i>Absil Olivier</i>
5:50 PM	Design and performance of MICADO high contrast mode	<i>Baudoz Pierre</i>
6:10 PM	An Adaptive Optics Community Response to Astro2020	<i>Christou Julian</i>
6:30 PM	Discussion about Astro2020	