

	MONDAY 26th	TUESDAY 27th	WEDNESDAY 28th	THURSDAY 29th	FRIDAY 30th
8:40					
9:00	invited 1 Adaptive Optics Program at TMT Corinne Boyer	invited 3 E-ELT design and status Michele Cirasuolo	invited 4 EST MCAO system Thomas Berkefeld	11.1 - Laser Workshop review	15.1 - Site testing 1 Multi-directional SLODAR for daytime turbulence profiling observing the Sun Elizabeth Carlisle
9:20		5.1 - Current designs 1 Wide-field Adaptive Optics for MOSAIC, the multiple object spectrograph for the E-ELT Tim Morris	invited 5 DKIST AO system Jose Marino	11.2 - Laser 1 Terrestrial combination of multiple sodium guidestar laser beams for increased on-sky brightness Dr. Robert Johnson	15.2 - Site testing 2 The first detection of laser-induced Raman scattering at Cerro Paranal Frédéric P.A. Vogt
9:40	invited 2 GMT AO system design and status Antonin Bouchez	5.2 - Current designs 2 The METIS Laser Tomographic AO system Remko Stuik	9.1 - Solar AO 1 Clear: advancing wide-field adaptive optics for observations of the Sun Dirk Schmidt	11.3 - Laser 2 First on-sky results of the CANARY experiment with an ELT-elongated sodium LGS Lisa Bardou	15.3 - Site testing 3 Na LGS height profiles from the WLGUSU experiments at the Teide Observatory Julio Castro-Almazan
10:00	1.1 - Science 1 A Review of Visible Light AO Systems and Science on ELTs Laird Close	5.3 - Current designs 3 On the road to the Preliminary Design Review of the MAORY adaptive optics module for E-ELT Emiliano Diolaiti	9.2 - Solar AO 2 The Multi-Conjugate AO system of the EST: DM height determination for best performance using real daytime statistical turbulence data Iciar Montilla	11.4 - Laser 3 The Horizontal Structure Function of the Sodium Centroid in the upper Mesosphere Thomas Pfrommer	15.4 - Site testing 5 Optimised Turbulence & Wind Speed Profiling Using AO Telemetry Douglas J Laidlaw
10:20	1.2 - Science 2 Science Development for IRIS (Infrared Imaging Spectrograph) on TMT Shelley Wright	5.4 - Current designs 4 Towards an overall astrometric error budget with MICADO-MCAO Gabriele Rodeghiero	9.3 - Solar AO 3 Reducing the field of view in Correlating Wavefront Sensors for Solar Adaptive Optics Matthew J. Townson	11.5 - Laser 4 Laser Guide Star return flux at Cerro Paranal and at the Canary Islands Domenico Bonaccini Calia	15.5 - Site testing 5 Towards forecasts of atmospheric parameters and optical turbulence for ground-based telescopes operation Elena Masciadri
10:40	1.3 - Science 3 Testing Theories of Gravity at the Galactic Center with ELTs Tuan Do	5.5 - Current designs 5 The Adaptive Optics modes for HARMONI – From Classical to Laser Assisted Tomographic AO Benoit Neichel	9.4 - Solar AO 4 An approach using deep learning for tomographic reconstruction in solar observation. Carlos González	11.6 - Laser 5 LGS spot truncation mitigation in ELTs: optimizing the pixel usage Leonardo Blanco	15.6 - Site testing 6 Study of cirrus clouds and implications in the variability of laser propagation light and variability of fraticide effect Angel Otárola
11:00	COFFE BREAK				
11:30	2.1 - Pathfinders 1 SCEAO as a prototyping platform available to the ELT extreme-AO community Olivier Guyon	6.1 - Correction 1 The E-ELT M4, on its way to become reality Elise Vernet	10.1 - WFS 1 Estimation of the low wind effect on SPHERE: results from an experimental bench and on-sky data Carlos Correia	12.1 - WFS 7 Infrared detectors for wavefront sensing Gach, JL	16.1 - WFS 10 Pyramid WFS Tolerance Study for NFIRAOS NGS AO Lianqi Wang
11:50	2.2 - Pathfinders 2 AOF – first on-sky performance of the GALACSI GLAO mode (or how to close 10 loops in less than 5 minutes) Johann Kolb	6.2 - Correction 2 SWAP DM: preliminary design and schematics of a deformable mirror (DM) for extreme adaptive optics Teresa Kopf	10.2 - WFS 2 LIFT on Keck: analysis of performance and first experimental results Cedric Plantet	12.2 - WFS 8 Microwave Kinetic Inductance Detectors for High Contrast Imaging Benjamin A. Mazin	16.2 - WFS 11 Telescope pupil tracking using a Pyramid WFS Jean-Pierre Véran
12:10	2.3 - Pathfinders 3 A Visible MCAO system for VLT-UT4 telescope S. Esposito	6.3 - Correction 3 Technology and control for extremely accurate and stable open-loop deformable mirrors Urban Bitenc	10.3 - WFS 3 Effect of segmented telescope phasing errors on adaptive optics performance Marcos van Dam	12.3 - WFS 9 e2v sensors for adaptive optics wavefront sensing P Jorden	16.3 - WFS 12 Extreme Adaptive Optics Pyramid Wavefront Sensor Testbed Lauren H. Schatz
12:30	2.4 - Pathfinders 4 Commissioning Natural-Guide-Star MCAO with LINC-NIRVANA on LBT Tom Herbst	6.4 - Correction 4 MEMS Deformable Mirrors for ELTs Paul Bierden	10.4 - WFS 4 Multiple spatial frequencies wavefront sensing Roberto Ragazzoni	12.4 - Pathfinders Three years of SPHERE operation at the VLT: status, future prospects and lessons learned for ELT instrumentation Jean-Luc Beuzit	16.4 - WFS 13 Sensing and control of segmented mirrors with a Pyramid wavefront sensor Noah Schwartz
12:50	2.5 - Pathfinders 5 Keck Planet Imager and Characterizer (KPIC) Dimitri Mawet	6.5 - Correction 5 Segmented deformable mirrors for Ground layer Adaptive Optics Edward Kibblewhite	10.5 - WFS 5 Towards on-sky coronagraphic wave-front sensing: first experimental validation of coronagraphic phase diversity (COFFEE) in the presence of residual turbulence Olivier Herscovici-Schiller	12.5 - WFS 12 Imaka - a wide-field GLAO demonstrator for Maunakea Jessica Lu	16.5 - WFS 14 A deconvolution-based formalism for Modulated pyramid WFS Benoit Neichel
13:10	2.6 - Pathfinders 6 Getting ready for GeMS 2.0: A workhorse AO facility Gaetano Sivo	6.6 - Correction 6 Next generation of piezo deformable mirrors Hubert Pages	10.6 - WFS 6 ZELDA, a Zernike sensor for accurate calibration of aberrations in coronagraphic instruments: validation in VLT/SPHERE M. N'Diaye	12.6 - Pathfinders 13 Riding the waves with AOLI: presentation, commissioning and AIV innovations Sergio Velasco	16.6 - WFS 15 Experimental experience with a Pyramid wave-front sensor: lessons learned for future ELTs Charlotte Z Bond
13:30	LUNCH				
14:50	3.1 - Reconstruction 1 Point source sensitivity, Pupil alignment, calibration and control for TMT-NFIRAOS-IRIS Glen Herriot	7.1 - Science 4 High angular resolution at GTC: Science capabilities of FRIDA+GTC-AO Almudena Prieto		13.1 - Reconstruction 5 Towards minimum-variance control of ELTs AO systems Caroline Kulcsár	17.1 - Modelling 1 MAORY design trade-off study: tomography dimensioning Sylvain Oubert
15:10	3.2 - Reconstruction 2 Non-common Path Aberrations measurement using the NWIWM method Luis Fernando Rodriguez Ramos	7.2 - Science 5 Prospects of Deep Field Surveys with Global-MCAO on an ELT Elisa Portaluri		13.2 - Reconstruction 6 Tomographic errors for wide field AO systems on E-ELTs ? impact on telescope design and ultimate performances T. Fusco	17.2 - Modelling 2 On the performance of reconstruction methods in the presence of spiders Andreas Obereider
15:30	3.3 - Reconstruction 3 Understanding the Vibration Environment for LBT/AO Pedro Escarate	7.3 - Science 6 What do we really know about extrasolar planets? Katie M. Morzinski		13.3 - Reconstruction 7 On the optimality of wavefront reconstructors from gradients at the ELT scale Clémentine Béchet	17.3 - Modelling 3 Overview of AO calibration strategies in the ELT context Cedric Heritier
15:50	3.4 - Reconstruction 4 Disturbance Feedforward Control for Vibration Suppression in Adaptive Optics of Large Telescopes Martin Glück	7.4 - Science 7 AO4ELT meets the Solar System: The coming interplay between adaptive optics on ELT, space telescopes, and spacecraft missions. Albert R. Conrad		13.4 - Reconstruction 8 On-sky testing of algorithms for extended LGS spots Alastair Baden	17.4 - Modelling 4 Updated TMT vibration budget and vibration environment Hugh Thompson
16:10	COFFE BREAK		VISIT TO THE OBSERVATORY		COFFE BREAK
16:30	4.1 - Post-processing 1 Point spread function reconstruction for tomographic adaptive optics systems O. Beltramo-Martin	8.1 - Pathfinders 7 Which strategy for AO at LBT0 in the 10+ years to come Christian Veillet		14.1 - Reconstruction 9 Mitigate the impact of ELT architecture on AO performance: learn from today's telescopes to characterize and prevent the low-wind effects M. N'Diaye	17.5 - Modelling 5 The Giant Magellan Telescope Phasing System: algorithms and performance simulations Fernando Quiros-Pacheco
16:50	4.2 - Post-processing 2 PSF reconstruction and deconvolution for extremely large telescopes Roland Wagner	8.2 - Pathfinders 8 GRAAL on-sky performance with the AOF J. Paulique		14.2 - Reconstruction 10 Closed-loop Estimation of the AO Interaction Matrix with Minimal Perturbation Niek Doelman	END OF CONFERENCE
17:10	4.3 - Post-processing 3 Scientific impact of PSF knowledge in AO assisted Integral Field Spectroscopy Niranjan Thatte	8.3 - Pathfinders 9 ARGOS Imaging and Spectroscopy Performance at the LBT S. Rabien		14.3 - Reconstruction 11 Green Flash: Exploiting future and emerging computing technologies for AO RTC at ELT scale Damien Gratadour	
17:30	4.4 - Post-processing 4 Data processing on simulated data for SHARK-NIR Elena Carolo	8.4 - Pathfinders 10 Never enough resolution: boost it with KERNEL interferometry F. Martinache		GENDER IN AO DISCUSSION	
18:00	POSTER SESSION		POSTER SESSION		POSTER SESSION
20:30					CONFERENCE DINNER