



Friday



Abstracts



Characterization of input turbulence – Chair: A. Cortes

8:30 AM	<u>Invited Talk:</u> 24-hour continuous vertical monitoring of atmospheric optical turbulence using the 24hSHIMM	<i>Griffiths Ryan</i>
9:00 AM	Measurement of isoplanatic patch size using H-alpha images of the Sun	<i>Subramanian Saraswathi Kalyani</i>
9:20 AM	One turbulent night: a thorough look at temporal tomography	<i>Dungee Ryan</i>
9:40 AM	Characterising the Atmosphere Turbulence with the SHIMM	<i>Perera Saavidra</i>
10:00 AM	Accuracy and Computational Efficiency of Various Methods for Atmospheric Turbulence Structure Function Computation	<i>Malone Deborah</i>
10:20 AM	Partner Exhibition	Coffee break

AO simulation, reconstruction and control (I) – Chair: G. Agapito

11:00 AM	<u>Invited Talk:</u> On-sky results with a real-time model-free reinforcement learning method	<i>Pou Bartomeu</i>
11:30 AM	Durham Adaptive Optics (DAO) RTC solution	<i>Cetre Sylvain</i>
11:50 AM	Effect of deformable mirror sequence on performance of multiconjugate adaptive optics	<i>Van Dam Marcos</i>
12:10 PM	Dynamic and non linear phase reconstruction applied for Fourier Filtering Wave-Front Sensor	<i>Cisse Mahawa</i>
12:30 PM	Lunch	

AO simulation, reconstruction and control (II) – Chair: A. Bertrou-Cantou

1:50 PM	<u>Invited Talk:</u> Herzberg Extensible Adaptive Real-time Toolkit (HEART) for ELT	<i>Dunn Jennifer</i>
2:20 PM	Error budget analysis for wavefront estimation using cGAN and UNet methods	<i>Smith Jeffrey</i>
2:40 PM	Optimal modal basis for ELT M4 mirror Force/Position control	<i>Correia Carlos</i>
3:00 PM	Phasing the GMT in the Natural Guide star Adaptive Optics mode: from simulations to testbeds	<i>Quiros-Pacheco Fernando</i>
3:20 PM	Coupling a pyramid-based AO system to a high contrast arm: dealing with NCPA	<i>Striffling Arnaud</i>
3:40 PM	Simulating METIS' SCAO System	<i>Feldt Markus</i>
4:00 PM	A geometrical approach for the calibration of Wave-Front Sensors	<i>Heritier Cedric Taissir</i>

Wrap up

4:20 PM

5:00 PM **End of the conference**