ADONI 2016

L'Ottica Adattiva in Astronomia in Italia – Firenze, 12-14 Aprile 2016

Primo giorno - 12 Aprile 2016

14:00-14:15	Benvenuto – Perche questo Workshop...?
14:15-16:15 Chair: Bergomi	- Agapito – The ERIS Adaptive Optics System - Ciliegi – MAORY: il modulo di Ottica Adattiva per E-ELT - Bonaccini – Sodium Laser Guide Star R&D activity report and proposal for a novel experiment using pulsed sodium lasers (*in remoto via SkyPe*) - Mocci – Development of devices and systems for adaptive optics - Busoni – Science operations with ARGOS, the ground layer adaptive optics facility at LBT - Spiga – Specchi attivi per telescopi a raggi X: perchè, come, e quando?
16:15-16:45	Pausa caffè
16:45-18:45 Chair: Pedichini	- Bergomi – LINC-Nirvana pathfinder experiment: ground layer wavefront sensor stairway to the sky - Vassallo – An extensive coronographic simulation applied to LBT - Chinellato – An AO testing facility at the Asiago Copernico telescope - Antoniucci – AO assisted high angular observation of stellar jets - Bertero – Ricostruzione delle prime immagini di LBTI - D'Orazi – Science with SHARK-NIR@LBT

Secondo giorno – 13 Aprile 2016

8:30-10:30 Chair: Esposito	• Biliotti – IIMeC: Intrinsic Internal Metrology for actuator • Greggio – A very linear wavefront sensor for AO • Stangalini – Synergies between solar and nighttimes adaptive optics • Carolo – SHARK-NIR simulation and data-reduction • Del Moro – Post-Facto image restoration after AO correction • Bono – Science drivers for ERIS and using the current AO systems as a stepping stone for E-ELT
10:30-11:00	Pausa caffè
11:00-12:00	Tavola rotonda: Quali direzioni nel futuro dell'ottica adattiva...? Partecipano tra gli altri: • Stefano Bonora – Università di Padova • Simone Esposito – INAF Arcetri • Mauro Ghigo – INAF Merate Moderatore: Ragazzoni
12:00-13:00 Chair: Stangalini	• Xompero – LATT: Large Aperture Telescope Technology • Viotto – Global-MCAO: from conceptual description to expected performance estimation • Biondi – UAVs for seeing monitoring as auxiliary tools for optical ground-based telescopes
13:00-14:20	Pranzo a buffet presso la sede del Workshop
14:20-16:00 Chair: Farinato	• Schipani – closed loop Active Optics with and without wavefront sensor • Pinna – SOUL: the Single conjugated adaptive optics Upgrade for LBT • Ghigo – Optical manufacturing facilities in INAF-OAB • Bonaglia – The natural guide star module for MAORY • Dolci – Risorse a INAF-OATe per lo sviluppo di tecnologie AO
16:00-16:30	Pausa caffè
16:30-18:10 Chair: Viotto	• Masciadri – Atmosphere and optical turbulence studies in application to the ground based astronomy and AO systems • Portaluri – Observations, Analysis and Classification of Mock Galaxies with Global Multi Conjugated Adaptive Optics • Turchi – Forecast of the atmospherical parameters at the LBT site in the context of the ALTA project • Marafatto – LINC-NIRVANA on its way to the Sky • Patti – Laser Guide Wavefront Sensor prototype for the E-ELT

Terzo giorno – 14 Aprile 2016

8:30-10:30 Chair: Fini	• Pariani – New opportunities in Optical Testing by optical testing given by photochromic materials • La Camera – Il pacchetto software Airy v.6.1 – Uno strumento per simulazione e ricostruzione di immagini post-AO • Fiorentino – Osservazioni con GEMS • Greggio – Science cases for high resolution imaging with MICADO@E-ELT • Guilleuszik – Exploring the stellar population of nearby and high redshift galaxies with ELTs
10:30-11:00	Pausa caffè
11:00-12:00	Tavola rotonda: quale il ruolo di ADONI nell'INAF...? Partecipano tra gli altri: • Filippo Maria Zerbi – Direttore Scientifico • Demetrio Magrin – Rappresentante MA5 e membro CS • Roberto Ragazzoni – Coordinatore ADONI Moderatore: Mannucci
12:00-14:00	Pausa pranzo
14:00-16:00 Chair: Pinna	• Briguglio – Preparing the calibration of the M4 Deformable Mirror for the E-ELT • Nardecchia – Coping with optical aberrations in gravitational wave interferometric detectors • Landoni – Application of new photon counting detectors array to AO • Arcidiacono – The MAORY Simulation Tool • Mesa – Observing with SPHERE, the planet imager at VLT • Quintavalle – Photo Controlled Deformable Mirrors: a new approach for adaptive optics
16:00-16:30	Wrap-up e ringraziamenti