

## Program “A Century of Gravitational Lensing: from Theory to Application”

Allow for 5 minutes of questions at the end of your talk!

Monday July 11<sup>th</sup>

09:00-09:50	Registration
09:50-10:00	Welcome
10:00-10:35	Peter Schneider: <i>Introduction/Overview</i>
10:35-11:10	Simona Vegetti: <i>Strong lensing</i>
11:10-11:30	Chris Fassnacht: <i>Investigating substructure and cosmology with the SHARP survey</i>
11:30-11:50	Alessandro Sonnenfeld: <i>Luminous and dark matter in early-type galaxies: a tale of many lenses</i>
11:50-12:10	Thomas Collett: <i>Strong Gravitational lensing and the Dark Energy Survey</i>
12:10-12:30	Steven Rodney: <i>Stellar Explosions, Strongly Lensed</i>
12:30-14:00	Lunch
14:00-14:35	Catherine Heymans: <i>Weak Gravitational Lensing by Large-Scale Structure: aka Cosmic Shear</i>
14:35-14:55	Thomas Kitching: <i>Weak Lensing on the Ball</i>
14:55-15:15	Mike Jarvis: <i>Early Weak Lensing Results from the Dark Energy Survey</i>
15:15-15:35	Hendrik Hildebrandt: <i>The Kilo Degree Survey: Cosmic shear results from 450 square degrees</i>
Coffee/Tea	
16:00-16:20	Marcello Cacciato: <i>Galaxy-Galaxy Lensing with GAMA &amp; KiDS</i>
16:20-16:40	Shahab Joudaki: <i>KiDS+2dFLenS: Testing Gravity on Cosmic Scales with Weak Lensing and Redshift Space Distortions</i>
16:40-17:00	Alexie Leauthaud: <i>Weak Lensing with the Hyper Suprime Cam Survey</i>
17:00-17:30	Frans van Lunteren: <i>Einstein in Leiden</i>
17:45-20:00	Opening reception in the Botanical Gardens

Tuesday July 12<sup>th</sup>

09:00-09:35	Anthony Challinor: <i>Cosmology and lensing</i>
09:35-09:55	Sherry Suyu: <i>HOLiCOW: Cosmology with Gravitational Lens Time Delays</i>
09:55-10:15	Frederic Courbin: <i>Quasar Time Delays and Cosmological Applications</i>
10:15-10:35	Daniel Gruen: <i>Weak lensing results from the Dark Energy Survey</i>
10:35-11:00	Coffee/Tea
11:00-11:35	Stefan Hilbert: <i>Simulations</i>
11:35-11:55	Tomasz Kacprzak: <i>Monte Carlo Control Loop approach for weak lensing measurements</i>
11:55-12:15	Monique Henson: <i>The impact of baryons on cluster weak lensing</i>
12:15-12:35	Carlo Giocoli: <i>Characterising Strong Lensing Galaxy Clusters in the M-XXL simulation and MOKA</i>
12:35-14:00	Lunch
14:00-15:45	Parallel session I/II
15:45-16:15	Coffee/Tea
16:15-18:00	Parallel session I/II

Wednesday July 13<sup>th</sup>

09:00-09:35	Anja von der Linden: <i>Cluster cosmology and cluster masses</i>
09:35-09:55	Tim Schrabback: <i>HST weak lensing analysis of high-redshift clusters from SPT</i>
09:55-10:15	Piero Rosati: <i>A comprehensive study of the mass distribution of CLASH-VLT galaxy clusters with high-quality lensing and kinematical data</i>
10:15-10:35	Takashi Hamana: <i>Cosmological constraints from Subaru weak lensing cluster counts</i>
10:35-11:00	Coffee/Tea
11:00-11:20	Nicholas Battaglia: <i>Weak lensing mass calibration of SZ selected clusters from ACT</i>
11:20-11:40	Raphael Gavazzi: <i>AMALGAM: detailed lens modeling of 100 massive clusters</i>
11:40-12:00	Edo van Uitert: <i>Weak-lensing-inferred scaling relations of galaxy clusters in the RCS2</i>
12:20-12:20	Melanie Simet: <i>Weak Lensing Measurement of the Mass-Richness Relation of SDSS redMaPPer Clusters</i>
12:20-12:40	Mathilde Jauzac: <i>Hubble Frontiers Fields : New Insights after 2 years of observations</i>
12:40-13:00	Zoltan Haiman: <i>Cosmology from Non-Linear Weak Lensing</i>
12:35-14:00	Free Afternoon
19:00-	Conference Dinner - Scheltema

Thursday July 14<sup>th</sup>

09:00-09:35	Scott Gaudi: <i>Gravitational Microlensing: Theory, Applications, Results</i>
09:35-09:55	Veronica Motta: <i>Probing the BLR and the accretion disk in lensed quasars using microlensing</i>
09:55-10:15	Jorge Jiménez-Vicente: <i>Recent progress in quasar microlensing</i>
10:15-10:35	Paul Schechter: <i>Gravitational Scintillation: Twinkling Quasars and the Stellar Masses Galaxies</i>
10:35-11:00	Coffee/Tea
11:00-11:35	Blake Sherwin: <i>CMB lensing</i>
11:35-11:55	Emmanuel Schaan: <i>Constraining the shear multiplicative bias with CMB lensing</i>
11:55-12:15	Julien Carron: <i>Planck CMB Lensing</i>
12:15-12:35	Jim Bartlett: <i>Halo Lensing with the CMB</i>
12:35-14:00	Lunch
14:00-15:45	Parallel session III/IV
15:45-16:15	Coffee/Tea
16:15-18:00	Parallel session III/IV

Friday July 15<sup>th</sup>

09:00-09:35	Keren Sharon: <i>high-z universe</i>
09:35-09:55	Tommaso Treu: <i>Strong lensing by clusters: highlights from the GLASS survey</i>
09:55-10:15	Marusa Bradac: <i>Pushing the Frontiers of Galaxy Formation with HST and Cluster Lenses as Cosmic</i>
10:15-10:35	Austin Hoag: <i>Windows to the Past: Using Gravitational Telescopes to Study our Cosmic Origins</i>
10:35-11:00	Coffee/Tea
11:00-11:20	Lindsay Oldham: <i>Super-resolving massive compact galaxies using EELs</i>
11:20-11:40	John McKean: <i>Resolving the star formation processes in a <math>z \sim 3</math> starburst on <math>&lt; 50</math> kpc-scales</i>
11:40-12:00	Claes-Erik Rydberg: <i>Observing lensed supernovae in the early universe with wide-field surveys</i>
12:00-12:20	Matt Auger: <i>Resolved and In Focus: The Properties of Tiny Galaxies at <math>z \sim 2</math></i>
12:20-12:40	Anna Barnacka: <i>Resolving the High Energy Universe with Strong Gravitational Lensing</i>
12:35-14:00	Lunch
14:00-14:20	Yannick Mellier: <i>Gravitational lensing with the Euclid space mission</i>
14:20-14:40	Jason Rhodes: <i>Cosmic Shear with the Wide Field Infrared Survey Telescope</i>
14:40-15:00	Anna Bonaldi: <i>Prospects for doing weak lensing surveys in the radio band</i>
15:00-15:45	Rachel Webster: <i>conference summary</i>

**Parallel session I (Lorentztaal)**

14:00-14:15	Matus Rybak: <i>Detecting Low-mass Dark Substructure with Global VLBI</i>
14:15-14:30	Sui Ann Mao: <i>Gravitational Lensing as a Probe of Galactic Magnetism at Intermediate Redshifts</i>
14:30-14:45	Neal Jackson: SKA science now: studies of microJy radio quiet quasars by gravitational lensing
14:45-15:00	Modhurita Mitra: <i>VLBI and VLA imaging polarimetry of the gravitational lens system B0218+357</i>
15:00-15:15	Guillaume Mahler: MUSE : a new hope for understanding Pandora's cluster
15:15-15:30	Martin Makler: <i>Gravitational Arcs in the SDSS Stripe 82 Region</i>
15:30-15:45	Dorota Bayer: <i>Surface Brightness Anomalies in High-Resolution Observations of Strong Lenses</i>
15:45-16:15	Coffee/Tea
16:15-16:30	Yiping Shu: <i>Kiloparsec Mass/Light Offsets in the Galaxy Pair-Lyman-alpha Emitter Lens System</i>
16:30-16:45	Anupreetha More: <i>Space Warps - crowd sourcing the discovery of gravitational lenses</i>
16:45-17:00	Haakon Dahle: <i>An <math>R=17.8</math> giant arc at <math>z=2.37</math></i>
17:00-17:15	Russell Smith: <i>Low-redshift strong-lensing ellipticals and the IMF controversy</i>
17:15-17:30	Amitpal Tagore: <i>Precision cosmology with strong lensing and kinematics</i>
17:30-17:45	Kenneth Wong: <i>Discovery of a Double Source Plane Lens in the Hyper Suprime Cam Survey</i>
17:45-18:00	Markus Rexroth: <i>Modeling the CLASH clusters with MUSE redshifts and LENSTOOL-GPU</i>

**Parallel session II (A051)**

14:00-14:15	Gary Bernstein: <i>Practical sampling from <math>P(\text{cosmology} \text{images})</math></i>
14:15-14:30	Massimo Viola: <i>The Kilo Degree Survey: accurate shear measurements for unbiased cosmology</i>
14:30-14:45	Ami Choi: <i>Verifying photometric redshift distributions for cosmological weak lensing</i>
14:45-15:00	Ricardo Herbonnet: <i>Shape measurements for current and future surveys</i>
15:00-15:15	Jörg Dietrich: <i>Constraining the Mass-<math>Y_x</math> Scaling Relation and Its Evolution Using Weak-Lensing Observations of High-Mass Clusters Discovered by the South Pole Telescope</i>
15:15-15:30	Julian Merten: <i>Present and future applications of mass mapping</i>
15:30-15:45	Tomasz Kacprzak: <i>Cosmology constraints from shear peak statistics in Dark Energy Survey</i>
15:45-16:15	Coffee/Tea
16:15-16:30	Margot Brouwer: <i>GAMA galaxy halo masses in the cosmic web</i>
16:30-16:45	Jonathan Blazek: <i>Modeling, Mitigation, and Measurement: Intrinsic Alignments and Weak Lensing</i>
16:45-17:00	Alexandra Amon: <i>Testing gravity on cosmological scales using the KiDS and 2dFLenS</i>
17:00-17:15	Anna Niemiec: <i>Dark matter haloes of satellite galaxies</i>
17:15-17:30	Cristobal Sifon: <i>Subhalos in the real Universe: constraints from satellite galaxy-galaxy lensing</i>
17:30-17:45	Eric Jullo: <i>Weak lensing and galaxy clustering</i>
17:45-18:00	Andrej Dvornik: <i>Detecting assembly bias using galaxy-galaxy lensing with the KiDS and GAMA</i>

<b>Parallel session III (Lorentztaal)</b>	
14:00-14:20	Chih-Fan Chen: <i>Strong lensing AO imaging with time delays for cosmography</i>
14:20-14:40	Andrina Nicola: <i>Jointly analysing weak lensing, the CMB and galaxy clustering</i>
14:40-15:00	Fabian Köhlinger: <i>The KiDS-450 weak-lensing power spectrum, neutrinos, and baryons</i>
15:00-15:20	Fergus Simpson: <i>Enhancing the Cosmic Shear Power Spectrum</i>
15:20-15:40	Juliana Kwan: <i>Cosmology from large scale galaxy clustering and galaxy-galaxy lensing with DES</i>
15:45-16:10	Coffee/Tea
16:10-16:30	Pablo Fosalba: <i>CMB Lensing Tomography with the Dark-Energy Survey galaxies</i>
16:30-16:50	Joachim Harnois-Deraps: <i>Galaxy Lensing x CMB Lensing in Fourier and Configuration Space</i>
16:50-17:10	Jia Liu: <i>CMB Lensing Non-Gaussian Statistics</i>
17:10-17:30	Julien Peloton: <i>CMB-lensing joint likelihoods: towards future CMB experiments</i>
17:30-17:50	Antony Lewis: <i>Post-Born lensing of the CMB</i>

<b>Parallel session IV (A051)</b>	
14:00-14:20	Matthew O'Dowd: <i>Using Microlensing to Reconstruct Intrinsic Spectral Features in Quasars</i>
14:20-14:40	Adriano Agnello: <i>STRIDES: new lensed quasars from wide-field searches, and follow-up science</i>
14:40-15:00	Dominique Sluse: <i>Scattered continuum light in AGN and accretion disc size from microlensing</i>
15:00-15:20	Nick Bate: <i>Quasar central engines in the synoptic survey era</i>
15:20-15:40	Hannah Stacey: <i>Studying AGN feedback and star formation in high-z galaxies with strong lensing</i>
15:45-16:10	Coffee/Tea
16:10-16:30	Liliya Williams: <i>Comparison of HFF cluster reconstructions: the role of lensing degeneracies</i>
16:30-16:50	Surhud More: <i>Detection of halo assembly bias and the splashback radius of galaxy clusters</i>
16:50-17:10	David Harvey: <i>Measuring the alignment of galaxy halos within the Hubble Frontier Fields</i>
17:10-17:30	Graham Smith: <i>Weak lensing calibration of galaxy clusters</i>
17:30-17:50	Mandy Chen: <i>Direct measurement of the mass of a supermassive black hole at <math>z=0.55</math></i>