

# CURRICULUM VITAE

Dr. Kasper Borello Schmidt

## Contact Information

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## Personal Information

Nationality Danish  
Date of birth April 17 1983  
Languages Danish (mother tongue), English (fluent), German (moderate)

## Employment

**Postdoctoral Researcher** 09/11/2015 - present  
Leibniz-Institut für Astrophysik Potsdam (AIP), Potsdam, Germany

**Postdoctoral Researcher** 01/09/2012 - 31/10/2015  
University of California Santa Barbara (UCSB), CA, USA

**Graduate Researcher** 01/10/2008 - 31/08/2012  
Max Planck Institute for Astronomy (MPIA), Heidelberg, Germany

## Education

**Ph.D. in astronomy (Dr. Rer. Nat.)** 01/10 2008 - 09/07/2012  
Max Planck Institute for Astronomy, Heidelberg, Germany  
Thesis: *'Frontiers of Galaxy Evolution – Time-Domain Observations and 3D Spectroscopy'*  
Supervisor: Prof. Dr. Hans-Walter Rix  
Member of: *The International Max Planck Research School for Astronomy and Cosmic Physics at the University of Heidelberg* (IMPRS-HD)

**M.Sc. in astronomy** 01/07/2006 - 12/08/2008  
Dark Cosmology Center, University of Copenhagen, Denmark  
Thesis: *'Towards Understanding Dark Matter Structures'*  
Supervisor: Dr. Steen H. Hansen

**B.Sc. in astronomy** 01/09/2003 - 30/06/2006  
University of Copenhagen, Denmark  
Thesis: *'The Inflationary Scenario in the Early Universe'*  
Supervisor: Dr. Steen H. Hansen & Dr. Anja C. Andersen

## References

### Prof. Tommaso Treu

UC Los Angeles  
Physics & Astronomy  
Tel: +1 310-206-5617  
[tt@astro.ucla.edu](mailto:tt@astro.ucla.edu)

### Prof. Lutz Wisotzki

Leibniz-Institut für  
Astrophysik Potsdam (AIP)  
Tel: +49 (0)331 7499 532  
[lwisotzki@aip.de](mailto:lwisotzki@aip.de)

### Prof. Hans-Walter Rix

Max Planck Institute for  
Astronomy (MPIA)  
Tel: +49 (0)622 1528 210  
[rix@mpia-hd.mpg.de](mailto:rix@mpia-hd.mpg.de)

## Research Interests/topics

**Galaxy Formation and Evolution:** NIR grism, multi-object and IFU spectroscopy, Lyman break galaxy selection, Ly $\alpha$ -line searches, emission line mapping, merger statistics, star formation diagnostics

**Quasar Variability:** modeling, quasar selection, color changes, AGN accretion disk physics

**Dark Matter Structures:** kinematics, theoretical description, interactions

**Strong Gravitational Lensing:** selection and detection (via variability), emission line mapping

**Methods:** Markov chain Monte Carlo, Bayesian statistics, empirical modeling, data mining, visual inspection, structure functions, luminosity functions

## Research Experience and Positions

<b>Team Member,</b> <a href="#">The Grism Lens-Amplified Survey from Space (GLASS)</a>	2012 - Pres.
<b>Team Member,</b> <a href="#">BoRG</a> Hubble Parallel Survey Group	2012 - Pres.
<b>Referee,</b> ApJ, MNRAS	2010 - Pres.
<b>Team Member,</b> <a href="#">3D-HST</a> Hubble Treasury Legacy Survey Group	2010 - 2013
<b>Organizer &amp; Founder</b> of ‘LiHD - Lensing in Heidelberg’, monthly seminar session on lensing.	2009 - 2012
<b>Team Member,</b> <a href="#">Pan-STARRS1</a> Science Collaboration	2008 - 2012
<b>Member,</b> <a href="#">International Max Planck Research School - Heidelberg (IMPRS-HD)</a>	2008 - 2012
<b>Member,</b> <a href="#">ELIXIR</a> , Marie Curie Initial Training Network: Early Universe w. NIRSpec on JWST	2008 - 2011

## Public Outreach and Teaching Experience

Two lectures on ‘ <a href="#">Astro 2</a> ’ as substitute for Prof. Tommaso Treu	14/05/2013 & 23/05/2013
Tutor on the course ‘ <a href="#">FP30 - CCD photometry in modern astronomy</a> ’	14/02/2011 - 01/04/2011
Co-supervisor on M. Knecht’s bachelor thesis, University of Heidelberg	09/08/2010 - 02/11/2010
Assisting at ‘Cultural Night of Copenhagen’, Dark Cosmology Center	12/10/2007
Presenting dark matter science to high-school classes, Dark Cosmology Center	08/11/2007
Co-organizer and tutor, introduction to new students, University of Copenhagen	2005 & 2006

## Publications

34. ‘SN Refsdal: Classification as a Luminous and Blue SN 1987A-like Type II Supernova’  
Patrik L Kelly, Gabriel Brammer, ..., **Kasper B. Schmidt**, et al.  
[2015, submitted to ApJ, ArXiv:1512.09093](#)
33. ‘Bright galaxies at Hubble’s redshift detection frontier: Preliminary results and design from the redshift  $z \sim 9 - 10$  BoRG pure-parallel HST survey’  
Valentina Calvi, Michele Trenti, ..., **Kasper B. Schmidt**, et al.  
[2016, ApJ, 817, 120](#)
32. ‘SN Refsdal: Photometry and Time Delay Measurements of the First Einstein Cross Supernova’  
Steven A. Rodney, Louis-Gregory Strolger, ..., **Kasper B. Schmidt**, et al.  
[2015, Submitted to ApJ, ArXiv:1512.05734](#)
31. ‘Deja Vu All Over Again: The Reappearance of Supernova Refsdal’  
Patrik. L. Kelly, Steven A Rodney, ..., **Kasper B. Schmidt**, et al.  
[2015, Submitted to ApJL, ArXiv:1512.04654](#)

30. **‘Refsdal’ meets Popper: comparing predictions of the re-appearance of the multiply imaged supernova behind MACS1149.5+2223**  
Tommaso Treu, Gabriel B. Brammer, ..., **Kasper B. Schmidt**, et al.  
[2016, ApJ, 817, 60](#)
29. **‘The Grism Lens-Amplified Survey from Space (GLASS). V. Extent and Spatial Distribution of Star Formation in  $z \sim 0.5$  Cluster Galaxies’**  
Benedetta Vulcani, Tommaso Treu, ..., **Kasper B. Schmidt**, et al.  
[2015, ApJ, 814, 161](#)
28. **‘The Grism Lens-Amplified Survey from Space (GLASS). IV. Mass reconstruction of the lensing cluster Abell 2744 from frontier field imaging and GLASS spectroscopy’**  
Xin Wang, Austin Hoag, ..., **Kasper B. Schmidt**, et al.  
[2015, ApJ, 811, 29](#)
27. **‘The Grism Lens-Amplified Survey from Space (GLASS). III. A census of  $\text{Ly}\alpha$  Emission at  $z \gtrsim 7$  from *HST* Spectroscopy’**  
**Kasper B. Schmidt**, Tommaso Treu, Marusa Bradač, et al.  
[2016, ApJ, 818, 38](#)
26. **‘Spitzer UltRa Faint Survey Program (SURFS UP). II. IRAC-Detected Lyman-Break Galaxies at  $6 < z < 10$  Behind Strong-Lensing Clusters’**  
Kuang-Han Huang, Marusa Bradač, ..., **Kasper B. Schmidt**, et al.  
[2016, ApJ, 817, 11](#)
25. **‘The Grism Lens-Amplified Survey from Space (GLASS). II. Gas-Phase Metallicity and Radial Gradients in an Interacting System at  $z \sim 2$ ’**  
Tucker Jones, Xin Wang, **Kasper B. Schmidt**, et al.  
[2015, ApJ, 149, 107](#)
24. **‘The Grism Lens-Amplified Survey from Space (GLASS). I. Survey Overview and First Data Release’**  
Tommaso Treu, **Kasper B. Schmidt**, Gabriel B. Brammer, et al.  
[2015, ApJ, 114, 21](#)
23. **‘A spectroscopically confirmed  $z = 1.327$  galaxy-scale deflector magnifying a  $z \sim 8$  Lyman-break galaxy in the Brightest of Reionizing Galaxies survey’**  
Robert Barone-Nugent, Allesandro Sonnenfeld, ..., **Kasper B. Schmidt**, et al.  
[2015, MNRAS 453, 3068](#)
22. **‘Quasar Classification Using Color and Variability’**  
Christina M. Peters, Gordon T. Richards, ..., **Kasper B. Schmidt**, et al.  
[2015, ApJS, 811, 2](#)
21. **‘RCS2 J232727.6-020437: An Efficient Cosmic Telescope at  $z = 0.6986$ ’**  
Austin Hoag, Marusa Bradač, ..., **Kasper B. Schmidt**, et al.  
[2015, ApJ, 813, 1](#)
20. **‘Correcting the  $z \sim 8$  Galaxy Luminosity Function For Gravitational Lensing Magnification Bias’**  
Charlotte Mason, Tommaso Treu, **Kasper B. Schmidt**, et al.  
[2015, ApJ, 805, 79](#)
19. **‘The Impact of Strong Gravitational Lensing on Observed Lyman-Break Galaxy Numbers at  $4 < z < 8$  in the GOODS and the XDF Blank Fields’**  
Robert Barone-Nugent, Stuart Wyithe, ..., **Kasper B. Schmidt**, et al.  
[2015, MNRAS, 450, 1224](#)
18. **‘Multiple Images of a Highly Magnified Supernova Formed by an Early-Type Cluster Galaxy Lens’**  
Patrick L. Kelly, Steven A. Rodney, ..., **Kasper B. Schmidt**, et al.  
[2015, Science, 347, 1123](#)

17. ‘The Luminosity Function at  $z \sim 8$  from 97 Y-band Dropouts: Inferences About Reionization’  
Kasper B. Schmidt, Tommaso Treu, Michele Trenti, et al.  
[2014, ApJ, 786, 57](#)
16. ‘Through The Looking GLASS: HST Spectroscopy of Faint Galaxies Lensed by the Frontier Field Cluster MACSJ0717.5+3745’  
Kasper B. Schmidt, Tommaso Treu, Gabriel B. Brammer, et al.  
[2014, ApJ, 782, L36](#)
15. ‘The Changing Ly $\alpha$  Optical Depth in the Range  $6 < z < 9$  from MOSFIRE Spectroscopy of Y-dropouts’  
Tommaso Treu, Kasper B. Schmidt, Michele Trenti, et al.  
[2013, ApJ, 775, L29](#)
14. ‘A Candidate  $z \sim 8$  Galaxy Lensed by a Foreground  $z \sim 1.7$  group’  
Robert L. Barone-Nugent, J. Stuart B. Wyithe, ... , Kasper B. Schmidt  
[2013, ArXiv:1303.6109](#)
13. ‘The Spatial Extent and Distribution of Star Formation in 3D-HST Mergers at  $z \sim 1.5$ ’  
Kasper B. Schmidt, Hans-Walter Rix, Elisabete da Cunha, et al.  
[2013, MNRAS, 432, 285](#)
12. ‘The Radial Distribution of Star Formation in Galaxies at  $z \sim 1$  From the 3D-HST Survey’  
Erica J. Nelson, Pieter G. van Dokkum, ... , Kasper B. Schmidt  
[2013, ApJ, 763, L16](#)
11. ‘Large-Scale Star Formation-Driven Outflows at  $1 < z < 2$  in the 3D-HST Survey’  
Britt F. Lundgren, Gabriel B. Brammer, ... , Kasper B. Schmidt, et al.  
[2012, ApJ, 760, 49](#)
10. ‘3D-HST Grism Spectroscopy of a Gravitationally Lensed, Low-metallicity Starburst Galaxy at  $z = 1.847$ ’  
Gabriel B. Brammer, Ruben Sanchez-Janssen, ... , Kasper B. Schmidt, et al.  
[2012, ApJ, 758, L17](#)
9. ‘H $\alpha$  Equivalent Widths from the 3D-HST Survey: Evolution with Redshift and Dependence on Stellar Mass’  
Mattia Fumagalli, Shannon Patel, ... , Kasper B. Schmidt, et al.  
[2012, ApJ, 757, L22](#)
8. ‘3D-HST: A wide-field grism spectroscopic survey with the Hubble Space Telescope’  
Gabriel B. Brammer, Pieter G. van Dokkum, ... , Kasper B. Schmidt, et al.  
[2012, ApJS, 200, 13](#)
7. ‘Spatially resolved H $\alpha$  maps and sizes of 57 strongly star-forming galaxies at  $z \sim 1$  from 3D-HST: evidence for rapid inside-out assembly of disk galaxies’  
Erica J. Nelson, Pieter G. van Dokkum, ... , Kasper B. Schmidt  
[2012, ApJ, 747, L28](#)
6. ‘The Color Variability of Quasars’  
Kasper B. Schmidt, Hans-Walter Rix, Joseph C. Shields, et al.  
[2012, ApJ, 744, 147](#)
5. ‘First Results From the 3D-HST Survey: The Striking Diversity of Massive Galaxies at  $z > 1$ ’  
Pieter G. van Dokkum, Gabriel B. Brammer, ... , Kasper B. Schmidt, et al.  
[2011, ApJ, 743, L15](#)
4. ‘Discovering the missing  $2.2 < z < 3$  quasars by combining optical variability and optical/near-IR colors’  
Xue-Bing Wu, Ran Wang, Kasper B. Schmidt, et al.  
[2011, ApJ, 142, 78](#)

3. ‘Selecting Quasars by their Intrinsic Variability’  
Kasper B. Schmidt, Philip J. Marshall, Hans-Walter Rix, et al.  
2010, *ApJ* 714, 1194
2. ‘Dark Matter Angular Momentum Profile From the Jeans Equation’  
Kasper B. Schmidt, Steen H. Hansen, Jin H. An, et al.  
2009, *ApJ*, 694, 893
1. ‘Alas, the dark matter structures were not that trivial’  
Kasper B. Schmidt, Steen H. Hansen, & Andrea Macciò  
2008, *ApJ*, 689, L33

## Observing experience

2 nights, Kast on Lick, CA, USA	Nov. 2013
1 night, Kast on Lick, CA, USA (remotely)	Sep. 2013
1 night, MOSFIRE on Keck, HI, USA	May 2013
3 nights, MOSFIRE on Keck, HI, USA	Apr. 2013
2 half nights, MOSFIRE on Keck, HI, USA (remotely)	Jan. 2013
4 nights, The Nordic Optical Telescope 2.2m, La Palma, Spain	Apr. 2007

## P.I. Observing Programs

<b>Confirming the First Variability-Selected Quasar Lenses</b>	2013
Shane 3 m. @ Lick Observatory (KAST spectroscopy and AO LGS imaging)	
Period: 2013 B, Proposal ID: 2013B_S025	
<b>Variability-Selected Quasar Lenses</b>	2010
GROND, 2.2m @ La Silla	
Cycle: MPI, Period: 86, Proposal ID: 9017	

## Selected Co.I. Observing Programs

<b>Bright Galaxies at HST’s Detection Frontier: The <math>z \sim 9 - 10</math> BoRG pure-parallel survey</b>	2014
HST Cycle 22 (2014-2015)	
P.I.: M. Trenti, University of Cambridge, UK	
<b>The Grism Lens-Amplified Survey from Space (GLASS)</b>	2013
HST Cycle 21 (2013-2014)	
P.I.: T. Treu, University of California Santa Barbara	
<b>The 3 Musketeers Survey: Keck/HST/Spitzer Study Galaxies at <math>0.3 &lt; z &lt; 10</math></b>	2013
MOSFIRE & DEIMOS Keck proposal	
P.I.: M. Bradač, University of California Davis	
<b>Probing the Physics of Reionization with MOSFIRE Spectroscopy of <math>z \sim 8</math> Galaxy Overdensities</b>	Autumn 2012
MOSFIRE Keck proposal	
P.I.: T. Treu, University of California Santa Barbara	
<b>Probing the Physics of Reionization with MOSFIRE Spectroscopy of <math>z \sim 8</math> Galaxy Overdensities</b>	Spring 2012
MOSFIRE Keck proposal	
P.I.: T. Treu, University of California Santa Barbara	

**Spectroscopic Identification of Variability-Selected Quasar Candidates at  $2.2 < z < 3.2$**  2011  
 Term: Sep-Dec 2011; Boller & Chivens Spectrograph on the Bok 2.3m Telescope  
 P.I.: R. Wang, Steward Observatory

**Spectroscopic Identification of Quasar Candidates at  $2.2 < z < 3$**  2010  
 Term: Sep-Dec 2010; Boller & Chivens Spectrograph on the Bok 2.3m Telescope  
 P.I.: R. Wang, Steward Observatory

## Selected Astronomy Telegrams

**‘Detection of a SN near the center of the galaxy cluster field MACS1149 consistent with predictions of a new image of Supernova Refsdal’**

P. L. Kelly, S. A. Rodney, . . . , K. B. Schmidt et al.

[ATel #8402 on 12 Dec 2015](#)

**‘Hubble Space Telescope Discovery of a Multiply Imaged, Gravitationally Lensed Supernova’**

P. L. Kelly, S. A. Rodney, . . . , K. B. Schmidt et al.

[ATel #6729 on 21 Nov 2014](#)

**‘New Supernova in the HST Frontier Field MACSJ0717.5+4745 ’**

Gabriel Brammer, Patrick Kelly, . . . , Kasper B. Schmidt et al.

[ATel #5728 on 7 Jan 2014](#)

**‘Probable Foreground SN at  $z=0.39$  SN in MACS0744.9+392 galaxy cluster field’**

Patrick Kelly, Kasper B. Schmidt, et al.

[ATel #6499 on 25 Sep 2014](#)

## Invited Talks

**‘The Grism Lens-Amplified Survey From Space (GLASS):  
 Grism Spectroscopy of Clusters and The Early Universe’**

16/11/2015

Census, Evolution, Physics meeting, Yale, Connecticut, US

[Meeting URL](#), [PDF](#)

**‘The Epoch of Reionization: Observing Galaxies in Their Cradle’**

20/10/2015

Frank N. Bash Symposium 2015, New Horizons in Astronomy, Austin, Texas, US

[Meeting URL](#)

**‘The Grism Lens-Amplified Survey From Space (GLASS):  
 HST Grism Spectroscopy of the HFF’**

03/08/2015

FM 22: The Frontier Fields: Transforming our understanding of cluster and galaxy evolution, XXIX IAU General Assembly, Honolulu, Hawaii, US

[Meeting URL](#)

**‘The Brightest of Reionizing Galaxies (BoRG) survey:**

**The  $z \sim 8$  luminosity function and spectroscopic follow-up’**

21/11/2013

Cosmology Seminar, University of California Davis, Davis, CA, USA

## Conferences & Meetings

**Intl. Conf.: Census, Evolution, Physics**

16/11/2015 - 19/11/2015

Yale, Connecticut, US

*Talk Contributions: See invited talks above*

- Intl. Conf. Frank N. Bash Symposium 2015, New Horizons in Astronomy** 18/10/2015 - 20/10/2015  
Austin, Texas, US  
*Talk Contributions: See invited talks above*
- XXIX IAU General Assembly** 03/08/2014 - 14/08/2015  
*Talk Contributions: FM22 (see invited talks above)*  
*Session319: ‘Probing Reionization at  $z \gtrsim 7$  with HST’s NIR Grisms’*
- GLASS Collaboration meeting** 4/5/2015 - 7/5/2015  
Monte Porzio, Rome, Italy  
*Talk Contributions: ‘The GLASS data’* & *‘Ly $\alpha$  at  $z \gtrsim 7$  in the First Six GLASS Clusters’*
- Intl. Conf.: sxhz** 01/04/2015 - 03/04/2015  
Austin, TX, USA  
*Talk Contribution: ‘GLASS: Probing the state of the reionization epoch through HST spectroscopy’* [PDF](#)
- Intl. Conf.: DEEP 15** 15/03/2015 - 19/03/2015  
Sintra, Potrugal  
*Talk Contribution: ‘The Grism Lens-Amplified Survey from Space (GLASS): Ly $\alpha$  emitters at the epoch of reionization’* [PDF](#)
- Intl. Conf.: Hubble Frontier Fields @ Yale** 12/11/2014 - 14/11/2014  
Caltech, Pasadena, CA, USA  
*Talk Contribution: ‘HST Grism Spectroscopy of the HFF with GLASS: Ly $\alpha$  Emitters at  $z > 6$ ’* [PDF](#)
- Keck Science Meeting** 02/10/2014 - 03/10/2014  
Caltech, Pasadena, CA, USA  
*Talk Contribution: ‘Galaxies at The EoR: The Synergy Between HST and Keck-MOSFIRE’*
- Intl. Conf.: The Distant Universe** 02/07/2014 - 07/07/2014  
Cefalu, Italy,  
*Talk Contribution: ‘GLASS: The Universe at  $z > 6$  and Resolved Metallicity Maps at  $z \sim 2$ ’* [PDF](#)
- GLASS Collaboration meeting, organizer** 28/4/2014 - 2/5/2014  
UCSB, Santa Barbara, CA, USA  
*Talk Contributions: ‘The Reduction Pipeline and Data’, ‘Glass Inspection GUI: intro and workshop’, & ‘The High-Redshift Universe with GLASS’*
- Intl. Conf.: 223rd AAS meeting** 05/01/2014 - 09/01/2014  
Washington D.C., MD, USA  
*Talk Contribution: ‘BoRG: Luminosity Function and Spectroscopic Follow-Up of Galaxies at  $z \sim 8$ ’* [ADS](#)  
*Poster Contribution: ‘First results from the HST Grism Lens-Amplified Survey from Space’* [PDF](#)
- ELIXIR annual meeting** 12/11/2012 - 13/11/2012  
Leiden University, The Netherlands  
*Talk Contribution: ‘Quasar Variability and Star Formation in Mergers’*
- ELIXIR School: What Will It Look Like to Observe with NIRSpec?** 26/09/2012 - 27/09/2012  
ESTEC, Noordwijk, The Netherlands
- 3D-HST meeting** 07/05/2012 - 09/05/2012  
Videocon., MPIA, Heidelberg, Germany  
*Talk Contribution: ‘The Spatial Extent of Star Formation in 3D-HST Mergers at  $z \sim 1.5$ ’*
- Intl. Conf.: ‘The Physics of Astronomical Transients’** 22/01/2012 - 27/01/2012



Aspen Center for Physics, Aspen, CO, USA

*Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars'*

**Intl. Conf.: 219th AAS meeting**

08/01/2012 - 12/01/2012

Austin, TX, USA

*Dissertation Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars'* [ADS](#)

**Intl. Conf.: 'Watching Galaxies Grow Up'**

05/12/2011 - 09/12/2011

Ringberg Castle, Kreuth, Germany

*Invited Talk Contribution: 'Star Formation in Mergers at  $z \sim 1.5$ '*

**MPIA Galaxy & Cosmology Department Retreat**

17/10/2011 - 19/10/2011

Neuwied, Germany

*Talk Contribution: 'Star Formation Maps and Mergers at  $z \sim 1.5$ '*

**3D-HST meeting**

10/10/2011 - 14/10/2011

University of Leiden, Leiden, The Netherlands

*Talk Contribution: 'Star Formation in High- $z$  Mergers'*

**ELIXIR annual meeting**

05/10/2011 - 06/10/2011

CAB - Centro de Astrobiología, Madrid, Spain

*Talk Contribution: 'Frontiers of Galaxy Formation: 3D Spectroscopy and Time-Domain Observations'*

**Intl. Conf.: 'Galaxy Formation'**

18/06/2011 - 22/06/2011

Durham University, Durham, UK

*Poster Contribution: 'Emission Line Maps of Galaxies at  $z \sim 1.7$ '* [PDF](#)

**ELIXIR School: How a Space Project Works**

20/05/2011 - 21/05/2011

ESTEC, Noordwijk, The Netherlands

**3D-HST meeting**

06/05/2011 - 12/05/2011

University of Yale, New Haven, CT, USA

*Talk Contribution: 'Emission Line Mapping of (Potential) Mergers'*

**3D-HST meeting**

03/03/2011 - 07/03/2011

University of Leiden, Leiden, The Netherlands

*Talk Contribution: 'Emission Line Maps of  $z \sim 1$  Galaxies'*

**Slitless Spectroscopy Workshop**

15/11/2010 - 16/11/2010

STScI, Baltimore, MD, USA

**ELIXIR annual meeting**

03/11/2010 - 05/11/2010

IAP, Paris, France

*Talk Contribution: 'Galaxy Dynamics with NIRSpec'*

**3D-HST meeting**

13/09/2010 - 15/09/2010

University of Yale, New Haven, CT, USA

**Summer School: 'First Stars & Cosmic Reionization'**

06/09/2010 - 10/09/2010

IMPRS Heidelberg, Heidelberg, Germany

**Pan-STARRS1 Science Consortium Meeting**

30/08/2010 - 03/09/2010

Queens University, Belfast, Northern Ireland

*Talk Contribution: '(QSO) Variability Selection Training'*

**Intl. Conf.: 'The First Galaxies, Quasars and Gamma-Ray Bursts'**

06/06/2010 - 10/06/2010

Pennsylvania State University, State College, PA, US



*Poster Contribution: ‘Selecting Quasars via Variability’* [PDF](#)

**ELIXIR School: ‘The JWST/NIRSpec project’** 31/05/2010 - 02/06/2010  
EADS/Astrium GmbH, Ottobrunn, Germany

**IMPRS science retreat** 26/05/2010 - 28/05/2010  
Cologne, Germany  
*Talk Contribution: ‘Quasar Candidate Selection Via Variability’*

**MPIA Galaxy & Cosmology Department Retreat** 21/04/2010 - 23/04/2010  
Maulbronn, Germany  
*Talk Contribution: ‘QSO Variability Selection’*

**ELIXIR annual meeting** 10/12/2009 - 11/12/2009  
University of Oxford, UK  
*Talk Contribution: ‘Quasar Variability and High- $z$  Mergers’*

**IAU Symposium 267: ‘Evolution of Galaxies and Central Black Holes’** 10/08/2009 - 14/08/2009  
IAU XXVII General Assembly, Rio de Janeiro, Brazil  
*Poster Contribution: ‘Detecting Quasars by their Variability’* [PDF](#)  
[Proceedings IAU Symposium No. 267, 2009, p. 265](#)

**Pan-STARRS IPP workshop** 18/05/2009 - 22/05/2009  
Institute for Astronomy, University of Hawaii

**Intl. Conf.: ‘Classification and Discovery in Large Astronomical Surveys’** 14/10/2008 - 17/10/2008  
Max Planck Institute for Astronomy, Heidelberg

**Intl. Conf.: ‘Dark Matter Workshop’** 20/08/2007 - 24/08/2007  
Dark Cosmology Center, University of Copenhagen

## Talks/Presentations

**‘The Epoch of Reionization Through GLASS Spectroscopy at  $z > 6$ ’** 19/11/2014  
Astronomy Seminar, University of California Riverside, Riverside, CA, USA

**‘Investigating the Epoch of Reionization with Keck and GLASS Spectroscopy’** 07/10/2014  
Carnegie Colloquium, Carnegie Observatories, Pasadena, CA, USA

**‘GLASS: Dissecting Reionization and  $z \sim 2$  Galaxies’** 17/07/2014  
Coffee Talk, MPIA, Heidelberg, Germany

**‘GLASS: Probing Galaxies at the Epoch of Reionization ( $z > 6$ )’** 16/07/2014  
Lunch Talk, Leiden Observatory, Leiden, The Netherlands

**‘GLASS: Probing Galaxies at the Epoch of Reionization ( $z > 6$ )’** 07/07/2014  
Lunch Talk, Royal Observatory of Edinburgh, Edinburgh, Scotland

**‘GLASS: Probing Galaxies at the Epoch of Reionization ( $z > 6$ )’** 25/06/2014  
Lunch Talk, DARK Cosmology Center, University of Copenhagen, Denmark

**‘The Brightest of Reionizing Galaxies (BoRG) survey:  
The  $z \sim 8$  luminosity function and spectroscopic follow-up’** 21/11/2013  
Cosmology Seminar, University of California Davis, Davis, CA, USA

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<b>‘The Brightest of Reionizing Galaxies (BoRG) survey: The <math>z \sim 8</math> luminosity function and spectroscopic follow-up with MOSFIRE’</b>	19/11/2013
Galaxy Formation Seminar, University of California Berkeley, Berkeley, CA, USA	
<b>‘The Brightest of Reionizing Galaxies Survey: Luminosity Function at <math>z \sim 8</math> and Spectroscopic Follow-Up’</b>	13/09/2013
Galaxy Evolution Seminar, Institute of Astronomy, Cambridge, UK	
<b>‘Quasar Variability - Selection of and Physics in Quasars’</b>	27/01/2012
AGN Group Talk, STScI, Baltimore, MD, USA	
<b>‘Star formation in Mergers at <math>z \sim 1.5</math>’</b>	27/01/2012
Galaxy Group Talk, STScI, Baltimore, MD, USA	
<b>‘Quasar Variability - Selection of and Physics in Quasars’</b>	20/01/2012
Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA	
<b>‘Star formation in Galaxy Mergers at <math>z \sim 1.5</math>’</b>	17/01/2012
Lunch Talk, University of Washington, Seattle, WA, USA	
<b>‘Quasar Variability - Selection of and Physics in Quasars’</b>	06/01/2012
Lunch Talk, Carnegie Observatories, Pasadena, CA, USA	
<b>‘Selecting QSOs via variability (in PS1)’</b>	02/02/2011
Gaia classification meeting, MPA, Heidelberg, Germany	
<b>‘Finding Lenses With Quasar Variability’</b>	31/03/2010
LiHD - Lensing in Heidelberg. Monthly Gravitational Lensing Session, Heidelberg, Germany	
<b>‘Variability Selection of Quasars’</b>	10/02/2010
MPA, Heidelberg, Germany	
<b>‘Finding Gravitationally lensed QSOs in Pan-STARRS (and SDSS)’</b>	18/06/2009
IMPRS seminar, University of Heidelberg, Germany	
<b>‘Dark Matter Structures were not that Trivial’</b>	13/02/2009
Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA	
<b>‘Dark Matter Structures - Rotation and Jeans’</b>	15/05/2008
MPA, Heidelberg, Germany	
<b>‘Angular Momentum of Dark Matter Structures’</b>	17/01/2008
Dark Cosmology Centre, University of Copenhagen, Denmark	