

# CURRICULUM VITAE — Glenn G. Kacprzak

## PERSONAL INFORMATION:

Citizen: Canada & Permanent Resident: Australia  
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## EDUCATION:

- 08/2008 **Ph.D.** Astronomy, New Mexico State University, Las Cruces, NM, USA – Advisor: Prof. Chris W. Churchill  
*“Morphological, Kinematic, and Halo Gas Properties of Mg II Absorption Selected Galaxies at Intermediate Redshift”*
- 2005 **M.Sc.** Astronomy, Saint Mary’s University, Halifax, NS, Canada – Advisor: Prof. Gary A. Welch  
*“The Cool Interstellar Medium of NGC 5866”*
- 2001 **B.Sc.(Hons)** Astrophysics, Queen’s University, Kingston, ON, Canada – Advisor: Prof. Lawrence M. Widrow  
*“Fuzzy Cold Dark Matter; Modeling the Substructure of Galactic Halos”*

## EMPLOYMENT:

- 2018–present **Deputy Director of the Centre for Astrophysics & Supercomputing,**  
 Swinburne University of Technology, Australia
- 2014–present **ARC Future Fellowship at the Centre for Astrophysics & Supercomputing,**  
 Swinburne University of Technology, Australia
- 07/14–08/14 **Director’s Research Fellowship at the Centre for Astrophysics & Supercomputing,**  
 Swinburne University of Technology, Australia
- 2011–2014 **ARC Super Science Fellowship at the Centre for Astrophysics & Supercomputing,**  
 Swinburne University of Technology, Australia
- 2008–2011 **Postdoctoral Research Fellow at the Centre for Astrophysics & Supercomputing,**  
 Swinburne University of Technology, Australia – Working with Dr. Michael T. Murphy

## RESEARCH GRANTS & AWARDS: (Total as PI: \$1,855,000, co-I: \$873,500)

- 2017–2019 ARC Discovery Project DP17 (\$321,000)
- 2016 Vice-Chancellor’s Research Excellence Award (Swinburne)
- 2015 NASA Space Telescope Science Institute - HST time, PI (\$ 57,000)
- 2014–2018 ARC Future Fellowship (ARC - \$747,629, Swinburne - \$306,710)
- 2013 NASA Space Telescope Science Institute - HST Large Program, co-I (\$578,000)
- 2013 Swinburne Faculty Research Grants Scheme - Funds for a visit by Chris Churchill (\$4,500)
- 2011–2012 NASA Space Telescope Science Institute - HST Archival Research Grant, co-I (\$120,000)
- 2008–2012 Australian Nuclear Science and Technology Organization Travel Award (\$13,000)
- 2011 Swinburne Faculty Research Grants Scheme - Funds for a visit by Chris Churchill (\$3,550)
- 2009–2010 NASA Space Telescope Science Institute - HST time, co-I (\$58,000)
- 2008–2009 NASA Space Telescope Science Institute - HST time, co-I (\$58,000)
- 2007 NMSU Zia Award – Recognizes Outstanding Research
- 2007 NMSU Astronomy International Travel Grant (\$2,000)
- 2007 Canadian Astronomical Society Travel Grant (\$250)
- 2007–2008 Vice President for Research Graduate Student Enhancement Grant (\$36,000)
- 2005–2006 NASA Space Telescope Science Institute - Archival Research Grant, co-I (\$59,500)
- 2005–2006 NMSU Graduate School Merit Enhancement Fellowship (\$4,000)
- 2004–2005 NMSU Scott Murrell Award – Recognizing Professional Development & Research
- 2004–2005 Sigma-Xi Grants–in–Aid of Research (\$1,100)
- 2004 International Astronomical Union Grant (\$580)
- 2003–2004 Pegasus Award for Outstanding Teaching

OBSERVING:

Awarded Time on as PI: HST, Keck-I, Keck-II, Gemini & APO 3.5m  
 Awarded Time on as Co-I: ALMA, HST, Keck-I, Keck-II, VLT, Magellan, APO 3.5m, AAT, Gemini, JCMT, VLA & GBT  
 Observed on: Keck-I, Keck-II, Gemini-S, Magellan-Baade, Magellan-Clay, GBT, KPNO 4.0m, AAT & APO 3.5m

SUPERVISION:

## Principal Coordinating Supervisor:

2017–2018 Vacation Scholar Wei Chieh (Mason) Ng – Swinburne  
 2016– PhD student Stephanie Pointon – Swinburne  
 2015– Postdoc Nikki Nielsen – Swinburne  
 2012–2017 PhD student Rebecca Allen – Swinburne – Winner of Director’s Outstanding Achievement Award 2016  
 2012 Visiting graduate student Nikki Nielsen – New Mexico State University  
 2012 Summer undergraduate student Rebecca Allen

## Associate Supervisor:

2017– PhD student Daniel Berke – Swinburne  
 2016– PhD student Paul Frederic Robert – Swinburne  
 2013–2017 PhD student Themiya Nanayakkara – Swinburne  
 2011–2016 PhD student Elisa Boera – Swinburne  
 2010–2014 PhD student Tyler Evans – Swinburne

TEACHING EXPERIENCE:Online Lecturer for AST80004 – Exploring Stars and the Milky Way (2016–2018)

## Swinburne University

- Responsibilities include reviewing online course material, creating and grading discussion forums, assignments, and exams. The course contained between 20-30 international students.

Online Lecturer for AST80006 – Galaxies and their Place in the Universe (2014–2015)

## Swinburne University

- Responsibilities include reviewing online course material, creating and grading discussion forums, assignments, and exams. The course contained between 20-30 international students.

Campus Observatory Operator/Instructor (2006–2007)

## New Mexico State University Astronomy Department

- Responsibilities include running the NMSU Campus Observatory (consisting of two 12" telescopes) for two hours a week. We educated roughly 300 undergraduate students who are required to participate in observatory observations once a month.

Head Teaching Assistant (2004–2005)

## New Mexico State University Astronomy Department

- Responsibilities included holding weekly meetings with all student lab instructors and reviewing next weeks labs and discussing any problems with the previous weeks labs. Training sessions were also held in order to show new students how to teach the labs and prepare and instruct the proper introductory material to their class.

Lab Instructor (2003–2006)

## New Mexico State University Astronomy Department

- Instructor for ~ 30 students for a two hour a week lab. Responsible for creating/presenting background material necessary to perform the labs, running the labs, answering student questions, and grading all the lab work.

Guest Lecturer (2001–2003)

## Saint Mary’s University Astronomy &amp; Physics Department

- Created and Instructed five physics lectures for an undergraduate forensic sciences course.

Lab Assistant (2001–2003)

Saint Mary's University Astronomy & Physics Department

– Instructing and grading first year physics labs. Leading tutorial sessions for non-physics majors.

## COLLOQUIA AND CONFERENCE PRESENTATIONS:

### CONFERENCE CONTRIBUTED TALKS:

- 2017 Sep. – The 3rd Swinburne-Caltech Workshop: Galaxies and their Halos [*Conference Organizer*] (Pasadena, CA)
- 2017 Aug. – The Circle of Life: IGM, CGM, and ISM [*Invited Talk*] (Kruger Park, South Africa)
- 2017 Jul. – In & Out. What Rules The Galaxy Baryon Cycle? [*Invited Talk*] (Garching, Germany)
- 2017 June – What Matter(s) Around Galaxies (Durham, UK)
- 2017 Mar. – On the Origin (and Evolution) of Baryonic Galaxy Halos (Galapagos Islands, Ecuador)
- 2016 Oct. – The Galaxy Life-Cycle [*Invited Talk*] (Venice, Italy)
- 2016 Sept. – The Changing Face of Galaxies (Hobart, Australia)
- 2016 Mar. – IAU321: Formation and evolution of galaxy outskirts (Toledo, Spain)
- 2015 Jul. – The Astronomical Society of Australia Annual Meeting (Fremantle, Australia)
- 2015 Feb. – The Most Massive Galaxies & their Precursors (Sydney, Australia)
- 2014 Sep. – The Role of Hydrogen in the Evolution of Galaxies (Kuching, Malaysia)
- 2014 Jul. – The Astronomical Society of Australia Annual Meeting (Sydney, Australia)
- 2014 May – Gas in and Around Galaxies [*Invited Talk*] (Ringberg, Germany)
- 2013 Nov. – The Emergence of Disk Galaxies [*Invited Talk*] (Tulbagh, South Africa)
- 2013 Jul. – The Astronomical Society of Australia Annual Meeting (Melbourne, Australia)
- 2013 June – Feeding, Feedback, and Fireworks: Celebrating Our Cosmic Landscape (Hamilton Island, Australia)
- 2013 June – Leiden Summer CGM-Galaxy Interface Workshop [*Invited Talk*] (Leiden, The Netherlands)
- 2013 June – Galactic Winds Near and Far [*Invited Talk*] (Ringberg, Germany)
- 2012 Aug. – The Dynamic Nature of Baryons in Halos [*Invited Discussion*] (Leiden, The Netherlands)
- 2012 June – The Baryon Cycle (Irvine, CA)
- 2012 Mar. – Keck Science Meeting (Melbourne, Australia)
- 2011 June – The Cosmic Odyssey of Baryons: Accreting, Outflowing and Hiding (Marseille, France)
- 2011 June – Gas in Galaxies: from Cosmic Web to Molecular Clouds (Kloster Seeon, Germany)
- 2011 Jan. – American Astronomical Society Annual Meeting (Seattle, WA)
- 2010 Jan. – American Astronomical Society Annual Meeting (Washington, DC)
- 2009 Nov. – Missing Baryons, Accretion and Feedback in Galaxies (Sydney, Australia)
- 2009 Jul. – The Astronomical Society of Australia Annual Meeting (Melbourne, Australia)
- 2009 Jul. – Harvesting the Desert: The Universe Between Redshift 1-3 (Marseille, France)
- 2008 May – Cosmic Web: Galaxies & The Large-Scale Structure (Socorro, NM)
- 2008 Apr. – 4th UC Irvine Center for Cosmology Workshop (Irvine, CA)
- 2008 Jan. – American Astronomical Society Annual Meeting (Austin, TX)
- 2005 Mar. – IAU Colloquium 199: Probing Galaxies Through QSO Abs Lines (Shanghai, China)
- 2004 Aug. – The Environments of Galaxies: from Kiloparsecs to Megaparsecs (Crete, Greece)

### INVITED COLLOQUIA:

- 2016 Sept. – Australian National University (Canberra, Australia)
- 2011 June – Potsdam University (Potsdam, Germany)
- 2011 May – ICRAR (Perth, Australia)
- 2010 Sept. – Melbourne University (Melbourne, Australia)
- 2010 Jan. – New Mexico State University (Las Cruces, NM)
- 2009 Jul. – Monash University (Melbourne, Australia)
- 2009 Mar. – Swinburne University of Technology (Melbourne, Australia)
- 2008 Jul. – New Mexico State University (Las Cruces, NM)
- 2008 Apr. – University of Nevada, Las Vegas (Las Vegas, NV)
- 2006 Sept. – New Mexico State University (Las Cruces, NM)

### SEMINARS:

- 2011 July – Leiden Observatory (Leiden, The Netherlands)
- 2010 Nov. – Swinburne University of Technology (Melbourne, Australia)

- 2009 Jun. – Institute of Astronomy (Cambridge, UK)
- 2009 Jun. – ESO (Garching, Germany)
- 2009 May – Institute for Astronomy (Honolulu, HI)
- 2008 Dec. – Harvard (Boston, MA)
- 2007 Nov. – UC Santa Cruz (Santa Cruz, CA)
- 2007 Nov. – Carnegie Observatories (Pasadena, CA)
- 2007 Nov. – NOAO (Tucson, AZ)
- 2007 Apr. – New Mexico State University (Las Cruces, NM)
- 2004 Oct. – New Mexico State University (Las Cruces, NM)

#### CONFERENCE CONTRIBUTED POSTERS:

- 2016 Apr. – The Interplay Between Local and Global Processes in Galaxies (Cozumel, Mexico)
- 2012 June – Gas Flows in Galaxies (Baltimore, MA)
- 2011 July – Galaxy Formation (Durham, UK)
- 2009 May – The Chemical Enrichment of the Intergalactic Medium (Leiden, The Netherlands)
- 2007 Oct. – NRAO – 23rd Annual New Mexico Symposium (Socorro, NM)
- 2007 Oct. – Formation & Evolution of Galaxy Disks (Rome, Italy)
- 2007 Sept. – Gas Accretion & Star Formation in Galaxies (Garching, Germany)
- 2007 Jun. – Canadian Astronomical Society Annual Meeting (Kingston, Canada)
- 2005 Jan. – American Astronomical Society Annual Meeting (San Diego, CA)
- 2006 Apr. – Graduate Research Symposium (Las Cruces, NM)
- 2005 Apr. – Graduate Research Symposium (Las Cruces, NM)
- 2004 Apr. – Graduate Research Symposium (Las Cruces, NM)
- 2004 Jan. – American Astronomical Society Annual Meeting (Atlanta, GA)
- 2003 Jun. – Canadian Astronomical Society Annual Meeting (Waterloo, Canada)

#### GENERAL/COMMITTEES/SOCIETIES

- Invited to write a review book chapter for Gas Accretion onto Galaxies, published by Springer in 2017
- Invited to write a *Science* Perspective: Kacprzak, G. G. 2011, *Science*, 334, 1216
  
- Member of the FourStar Galaxy Evolution Survey (Z-FOURGE)
- Member of the ZFIRE Survey
  
- Chair of Swinburne Allocation Committee for Keck (2016–present)
- AAO Keck Time Allocation Committee (2015)
- Swinburne Time Allocation Committee for Keck (2013–2015)
- Swinburne Time Allocation Committee for Keck Technical Secretary (2009–2011)
- Swinburne Time Allocation Committee for Keck Technical Secretary (2009–2011)
  
- Conference Organizer of *The 3rd Swinburne-Caltech Workshop: Galaxies and their Halos* (2017)
- CAS Member of Equity and Diversity Committee (2016–present)
- Served four times as a Postdoctoral Selection Committee Member (Swinburne+ANU, 2012–present)
- Chair of 2 and member of a further 8 PhD review panels at Swinburne (2012–present)
- Swinburne Galaxy Evolution Meetings (GEM) co-organizer (with Dr. Darren Croton) (2008–present)
- NMSU Astronomy Department Curriculum Committee, graduate student member (2006–2008)
  
- Assessor for ARC Future Fellowship grants (2016–present)
- Scientific referee for *Science*, *ApJ*, *ApJL* and *MNRAS*
- American Astronomical Society (AAS) & Astronomical Society of Australia (ASA) member.

#### REFERENCES:

<p><u>Professor Karl Glazebrook</u> Swinburne Hawthorn, VIC 3122 kglazebrook@swin.edu.au</p>	<p><u>Professor Christopher Churchill</u> NMSU Las Cruces, NM 88003 cwc@nmsu.edu</p>	<p><u>Professor Charles Steidel</u> Caltech Pasadena, CA 91125 ccs@astro.caltech.edu</p>
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