**CURRICULUM VITAE**

**Cameron Van Eck**

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he/him/his

Citizenship: Canadian

**EDUCATION**

|  |  |  |
| --- | --- | --- |
| PhD in Astrophysics | Radboud University | January 2013 – October 2017  (Defended 9 Oct 2017) |
| MSc in Astrophysics | University of Calgary | May 2010 - September 2012 |
| BSc in Astrophysics and Physics  (First Class Honours) | University of Calgary | September 2005 - April 2010 |

**EMPLOYMENT HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Dates** | **Position** | **Institution** | **Supervisor** |
| August 2018 – Present | Research Associate | Dunlap Institute for Astronomy and Astrophysics, University of Toronto | Bryan Gaensler |
| April – May 2020 | Sessional Instructor | Department of Astronomy and Astrophysics, University of Toronto | Rachel Freisen |
| April 2018 – July 2018 | Postdoc | University of Calgary | Jo-Anne Brown |
| January 2013 – October 2017 | PhD student | Radboud University | Marijke Haverkorn |
| May 2010 - September 2012 | MSc Graduate Student | University of Calgary | Jo-Anne Brown |
| September 2009 – April 2010 | Research Assistant | University of Calgary | Jo-Anne Brown |
| Summer 2009, 2008 | NSERC USRA student | University of Calgary | Jo-Anne Brown |
| Summer 2007 | NSERC USRA student | University of Calgary | Nasser Moazzen-Ahmadi |

**SCHOLARSHIPS AND AWARDS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Award Name** | **Value ($CAD)** | **Type** | **Year Awarded** |
| **PhD Awards** |  |  |  |
| Sir James Lougheed Award of Distinction | $20,000 | Provincial | 2013 |
| **MSc Awards** |  |  |  |
| Alberta Innovation – Technology Futures Graduate Student Scholarship | $7000 (Year 1)  $23,000 (Year 2)  + $1500/year research allowance | Provincial | 2010/2011 |
| NSERC Post-Graduate Scholarship M | $17,500 | National | 2010 |
| Queen Elizabeth II Graduate Scholarship | (rescinded due to external funding) | Institutional | 2010 |
| **BSc Awards** |  |  |  |
| Department of Physics and Astronomy, Venkatesan Silver Medallion | Silver Medal + $1000 | Institutional | 2010 |
| Louise McKinney Post-Secondary Scholarships | $2500 | Provincial | 2009, 2008, and 2007 |
| Bill and Irene Bell Bursary | $3500 | Institutional | 2009 |
| Terentiuk Bursaries | $2500 | Institutional | 2009 |
| Physics and Astronomy Undergraduate Scholarship | $500 | Institutional | 2008 and 2007 |
| University of Calgary Undergraduate Merit Award | $2800 | Institutional | 2008 |
| John D. Petrie Memorial Undergraduate Bursary | $5000 | Institutional | 2007 |
| Jason Lang Scholarship (Alberta Scholarship Programs) | $1000 | Provincial | 2006 |
| Margaret and Ted Newall Bursary | $5000 | Institutional | 2005 |
| Dean's Merit Admission Awards - Faculty of Science | $1000 | Institutional | 2005 |
| University of Calgary Admission Scholarships | $500 | Institutional | 2005 |
| Alexander Rutherford Scholarship | $2500 | Provincial | 2005 |

**RESEARCH CONTRIBUTIONS (incl. list of publications)**

Total citations: 777. h-index: 13. Citation counts are current as of 26 Oct 2021, and are taken from the ADS Astronomy Abstract Service.  
Online list of articles available at: <http://adsabs.harvard.edu/cgi-bin/nph-abs_connect?library&libname=Cameron+Van+Eck&libid=4ad7c760d7>

In the following lists, I bold my own name to highlight first-/co-authorship.

**Refereed First-author Journal Publications:**

A7. **C.L. Van Eck,** J.C. Brown, A. Ordog, R. Kothes, T.L. Landecker, B. Cooper, K.M. Rae, D.A. Del Rizzo, A.D. Gray, R. Ransom, R.I Reid, B. Uyaniker “Revisiting Rotation Measures from the Canadian Galactic Plane Survey: the Magnetic Field in the Disk of the Outer Galaxy”. Astrophysical Journal Supplement, Volume 253 Number 2. – 2 citations

A6. **C. Van Eck**, M. Haverkorn, and 14 additional coauthors. “Diffuse polarized emission in the LOFAR Two-meter Sky Survey”, Astronomy & Astrophysics, Volume 623 id.A71, 22 pp. published 7 Mar 2019. – 15 citations

A5. **Cameron L. Van Eck**, “The Power of Low Frequencies: Faraday Tomography in the sub-GHz regime”, Galaxies, 6(4), 112, 12pp., published 24 October 2018. – 6 citations

A4. **C. Van Eck**, M. Haverkorn, and 20 additional coauthors. “Polarized point sources in the LOFAR Two-meter Sky Survey: A preliminary catalog”, Astronomy & Astrophysics, Volume 612 id.A58, 18 pp. published 1 June 2018. – 30 citations

A3. **C.L.** **Van Eck**, M. Haverkorn, and 19 co-authors. “Faraday Tomography of the Local Interstellar Medium with LOFAR: Galactic Foregrounds Towards IC342”. Astronomy & Astrophysics, Volume 597, id.A98, 17 pp. published 10 January, 2017. – 51 citations

A2. **Van Eck, C. L.**, Brown, J. C., Shukurov, A., Fletcher, A. “Magnetic Fields in a Sample of Nearby Spiral Galaxies” Astrophysical Journal, Volume 799, Issue 1, article 35, 19 pp. published January 14, 2015. – 39 citations

A1. **Van Eck, C. L.**, Brown, J. C., Stil, J. M., Rae, K., Mao, S. A., Gaensler, B. M., Shukurov, A., Taylor, A. R., Haverkorn, M., Kronberg, P. P., McClure-Griffiths, N. M., “Modeling The Magnetic Field In The Galactic Disk Using New Rotation Measure Observations From The Very Large Array”**,** Astrophysical Journal, Volume 728 Number 2, article 97, 14 pp. published Jan 25 2011. – 127 citations

**Refereed Co-author Journal Publications:**

B20. Hutschenreuter, S., 36 other authors including **Eck, C.V.** [sic] “The Galactic Faraday depth sky 2020”, Astronomy & Astrophysics, Volume 657, id.A43, 14 pp. published 04 January 2022. – 14 citations

B19. Turić, Luka, 8 other authors including **van Eck, Cameron**, “Multi-tracer analysis of straight depolarisation canals in the surroundings of the 3C 196 field”, Astronomy & Astrophysics, Volume 654, id.A5, 13 pp. published 01 October 2021.

B18. Alec J.M. Thomson, 18 other authors including **Cameron L. Van Eck.** “The Global Magneto-Ionic Medium Survey (GMIMS): the brightest polarized region in the southern sky at 75 cm and its implications for Radio Loop II”, Monthly Notices of the Royal Astronomical Society, Volume 507, Issue 3, p3495-3518. Published 28 June 2021. – 1 citation

B17. Apostolos Spanakis-Misirlis, **Cameron L. Van Eck**, and E.P. Boven, “Virgo: A versatile Spectrometer for Radio Astronomy”, Journal of Open Source Software, 6(62), 3067. Published 5 June 2021.

B16.C. S. Anderson, 22 other authors including **C.L. Van Eck**. “Early Science from POSSUM: Shocks, turbulence, and a massive new reservoir of ionised gas in the Fornax cluster”. Publications of the Astronomical Society of Australia, Volume 38, article id. e020. Published 23 April 2021. – 3 citations

B15.C.J. Riseley, 13 other authors including **C.L. Van Eck**. “The POlarised GLEAM Survey (POGS) II: Results from an all-sky rotation measure synthesis survey at long wavelengths”. Publications of the Astronomical Society of Australia, Volume 37, article id. e029. Published 17 July 2020. – 11 citations

B14.Heald, George, 42 other authors including **Cameron Van Eck**. “Magnetism Science with the Square Kilometre Array”. Galaxies, 8(3), 53, published 6 July 2020. – 17 citations

B13.Cantwell, T.M., 24 other authors including **C.L. Van Eck**. “Low-frequency observations of the giant radio galaxy NGC 6251”. Monthly Notices of the Royal Astronomical Society, Volume 495, Issue 1, pp.143-159. Published 4 May 2020. – 9 citations

B12.A. Thomson, 14 other authors including **C. Van Eck**. "Through thick or thin: Revealing the magneto-ionic structure of the nearby interstellar medium towards Sharpless 2-27 with Faraday tomography". Monthly Notices of the Royal Astronomical Society, Volume 487 Issue 4, p 4751-4767. published 24 May 2019. – 9 citations

B11.Anna Ordog, Rebecca A. Booth, **Cameron L. Van Eck**, Jo-Anne C. Brown, and Thomas L. Landecker. “Faraday Rotation of Extended Emission as a Probe of the Large-Scale Galactic Magnetic Field”, Galaxies, 7(2), 43, published 27 Mar 2019. – 5 citations

B10.Sobey, C, 24 other authors including **Van Eck, C**. “Low-frequency Faraday rotation measures towards pulsars using LOFAR: probing the 3D Galactic halo magnetic field”. Monthly Notices of the Royal Astronomical Society, Volume 484 Issue 3, p 3646-3664. published 25 January 2019. – 39 citations

B9.C. J. Riseley, E. Lenc, **C. L. Van Eck**, G. Heald, B. M. Gaensler, C. S. Anderson, P. J. Hancock, N. Hurley-Walker, S. S. Sridhar, and S. V. White. “The POlarised GLEAM Survey (POGS) I: First results from a low-frequency radio linear polarisation survey of the southern sky”, Publications of the Astronomical Society of Australia, Volume 35, e043, 27pp., published 17 Dec 2018. – 20 citations

B8.S. O’Sullivan, 29 additional coauthors including **C. Van Eck**. “The intergalactic magnetic field probed by a giant radio galaxy”, Astronomy & Astrophysics Volume 622, id.A16, 12 pp. Published 19 February 2019 - 26 citations

B7.O'Sullivan, Shane P., Brüggen, M., **Van Eck, C. L.**, Hardcastle, M. J., Haverkorn, M., Shimwell, T. W., Tasse, C., Vacca, V., Horellou, C., Heald, G. “Untangling cosmic magnetic fields: Faraday tomography at metre wavelengths with LOFAR”. Galaxies, 6(4), 126. published 29 Nov 2018 – 10 citations

B6.A. Neld, 16 additional coauthors including **C. Van Eck**. “Reliable detection and characterization of low-frequency polarized sources in the LOFAR M51 field”, Astronomy & Astrophysics, Volume 617, id.A136, 16 pp., published 2 October 2018. – 9 citations

B5.J. S. Farnes, 12 additional coauthors including **C. L. Van Eck**. “Source Finding in Linear Polarization for LOFAR, and SKA Predecessor Surveys, using Faraday Moments”. Monthly Notices of the Astronomical Society, Volume 474, Issues 3, 17 pp. published 14 November 2017. – 10 citations

B4.Coppejans, D.L., Koerding, E.G., Knigge, C., Pretorius, M.L., Woudt, P.A., Groot, P.J., **Van Eck, C.L.,** Drake, A.J. “Statistical Properties of Dwarf Novae-type Cataclysmic Variables: The Outburst Catalogue”. Monthly Notices of the Royal Astronomical Society, Volume 456 Issue 4, p 4441-4454. published January 19, 2016. – 22 citations

B3.Mao, S. A., McClure-Griffiths, N. M., Gaensler, B. M., Brown, J. C., **van Eck, C. L.**, Haverkorn, M., Kronberg, P. P., Stil, J. M., Shukurov, A., and Taylor, A. R. “New Constraints on the Galactic Halo Magnetic Field Using Rotation Measures of Extragalactic Sources toward the Outer Galaxy” Astrophysical Journal, Volume 755, Issue 1, article 21, 15 pp. published July 23, 2012. – 50 citations

B2.Oppermann, 30 additional coauthors including **Van Eck, C. L.**, “An improved map of the Galactic Faraday sky”, Astronomy & Astrophysics, Volume 542, article A93, 14 pp. published June 13, 2012. – 195 citations

B1.Dehghany, M., Afshari, M., Abusara, Z., **Van Eck, C.**, & Moazzen-Ahmadi, N., “Isotope effects in the infrared spectra of the polar and nonpolar isomers of N2O dimer", Journal of Molecular Spectroscopy, Volume 247, Issue 2, p. 123-127. Published Feb 2007. – 72 citations

**First author Non-refereed publications:**

C2. **Cameron Van Eck**. “Testing ionospheric Faraday rotation corrections for LOFAR”, thesis chapter, 11 pp., May 2017.

Note: other thesis chapters have been published/prepared as papers, and are listed separately.

C1. **Cameron Van Eck** and Jo-Anne Brown “Modeling the Galactic Magnetic Field using Rotation Measure Observations in the Galactic Disk from the CGPS, SGPS, and the VLA”, The Dynamic Interstellar Medium: a Celebration of the Canadian Galactic Plane Survey, eds. R. Kothes, T.L. Landecker, and A.G. Willis, ASP Conference series, vol 438, p. 236, 7 pp. – 3 citations

**Co-author non-refereed publications:**

D2. West, J. et al, “Cosmic magnetism”, white paper submitted to CASCA Long Range Plan 2020, 5 Nov 2019

D1. Spekkens, K et al, “Canada and the SKA from 2020-2030”, white paper submitted to CASCA Long Range Plan 2020, 8 Nov 2019. – 2 citations

**Publications accepted or in review:**

E2. Campbell et al., “A Comparison of Multi-Phase Magnetic Field Tracers in a High-Galactic Latitude Region of the Filamentary Interstellar Medium”, accepted by ApJ, arXiv:2112.03247

**PhD Thesis:**

“Exploring the Threefold Invisible Universe: Low-Frequency Spectropolarimetry with LOFAR as a Probe of Galactic Magnetism”, 140 pages. © 2017. http://hdl.handle.net/2066/175872

In addition to the above authorships and co-authorships, I am thanked in the acknowledgements of at least 10 refereed papers. (https://ui.adsabs.harvard.edu/search/q=ack%3A"Cameron Van Eck")

**Invited presentations:**

Summary: 4 invited conference talks, 4 invited colloquia, 2 visitor’s seminars.

*Invited conference talk*: “Galactic Faraday tomography at low frequencies”, Magnetic Fields in the Universe VII, Quy Nhon, Vietnam, 17-22 Feb 2020.

*Invited conference talk*: “New perspectives on Galactic Faraday tomography at low frequencies”, New Perspectives on Galactic Magnetism meeting, Newcastle, UK, 10-14 June 2019. DOI: 10.5281/zenodo.3254756

*Invited conference talk*: “The Power of Low-Frequencies: Faraday Tomography of the Milky Way with LOFAR” 6th annual CHANG-ES collaboration meeting, Calgary, Canada, July 30 – August 4, 2018.

*Invited conference talk:* “The Power of Low-Frequencies: Faraday Tomography of the Milky Way with LOFAR” The Power of Faraday Tomography conference, Miyazaki, Japan, May 28 - June 1, 2018.

*Invited colloquium talk (given remotely during COVID-19 quarantine):* “Galactic Faraday tomography at low frequencies”, Dominion Radio Astrophysical Observatory, 15 April 2020.

*Invited colloquium talk:* “ ‘As if it wasn’t complex enough already’: Exploring Faraday complexity and Faraday tomography.” Nijmegen, the Netherlands, 6 June 2019.

*Invited colloquium talk:* “Finding the Invisible: Searching for Magnetic Structures in the Milky Way” Astronomical Institute, Ruhr-Universität Bochum, Bochum, Germany. January 13, 2015

*Invited colloquium talk:* “Identifying Relationships between Galactic Magnetic Fields and the Interstellar Medium.” School of Mathematics and Statistics, Newcastle University, Newcastle, UK. March 28, 2014.

*Visitor’s seminar:* “Faraday Tomography of the Milky Way with LOFAR”, NRAO Socorro, Feb 2019

*Visitor’s seminar:* “Identifying Relationships between Galactic Magnetic Fields and the Interstellar Medium.” Max Planck Institüt für Radioastronomie, Bonn, Germany. February 14, 2013.

**Contributed presentations:**

**Summary:** 14 conference talks as presenter, 3 conferences posters as presenter.

**Cameron Van Eck** “Faraday Tomography with LOFAR”, GMIMS workshop, Dominion Radio Astrophysical Observatory, 25-26 Oct 2017, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday tomography of the local ISM with the Low Frequency Array”, CASCA 2017, Edmonton, Canada, May 29 – June 1, 2017, poster

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” LOFAR Magnetism KSP Meeting, Manchester, UK. June 21, 2016, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” CASCA 2016, Winnipeg, Canada. June 1, 2016, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” 71st Netherlands Astronomy Conference, Nunspeet, the Netherlands. May 24, 2016, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” LOFAR Science 2016. Zandvoort aan Zee, the Netherlands. April 5, 2016, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” Science at Low Frequencies II. Albuquerque, NM, USA. Dec 3, 2015, talk

**Cameron Van Eck**. “Testing Ionospheric Faraday Rotation correction for LOFAR”. Remotely presented to LOFAR Status Meeting, Sep 30, 2015, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” LOFAR Science 2015, Assen, the Netherlands. June 3, 2015, talk

**Cameron Van Eck** and Marijke Haverkorn “Faraday Tomography with LOFAR” Workshop on Interstellar Magnetic Fields, Toulouse, France. April 29, 2015, talk

**Cameron Van Eck** and Marijke Haverkorn “Milky Way Working Group/IC342 field” LOFAR Magnetism KSP Meeting, Nijmegen, the Netherlands. March 9 2015, talk

**Cameron Van Eck** and Jo-Anne Brown “Connecting galactic magnetic fields to the interstellar medium: Looking for statistical correlations”, Magnetisation of Interstellar and Intergalactic Media: The Prospects of Low-Frequency Radio Observations. Mainz, Germany. July 9-13, 2012, talk.

**Cameron Van Eck**, Jo-Anne Brown, Andrew Fletcher, and Anvar Shukurov “Connecting galactic magnetic fields to the interstellar medium: Looking for statistical correlations” Canadian Astronomical Society Annual Meeting. Calgary, AB, CA. June 4-7 2012, talk.

**Cameron Van Eck**, Jo-Anne Brown, Andrew Fletcher, and Anvar Shukurov “Statistical Properties of Magnetic Fields in Galaxies”, APS Division of Plasma Physics 53rd Annual Meeting, Salt Lake City, UT, USA, Nov 14-18, 2011, talk.

**Cameron Van Eck** and Jo-Anne Brown “A New Empirical Model for the Large-Scale Magnetic Field of the Milky Way”, UKMHD conference, London, UK, June 16-17, 2011, poster.

**Cameron Van Eck** and Jo-Anne Brown “Modeling the Galactic Magnetic Field using Rotation Measure Observations in the Galactic Disk from the CGPS, SGPS, and the VLA”, The Dynamic Interstellar Medium: a Celebration of the Canadian Galactic Plane Survey, conference held Jun 2010 in Naramata, BC, CA., talk

**Cameron Van Eck** and Jo-Anne Brown, “The Galactic Magnetic Field as Viewed from the VLA”, 11th Annual Meeting of the Northwest Section of APS, conference held May 2009 in Vancouver, BC, CA., talk

**Cameron Van Eck** and Jo-Anne Brown, “Magnetic Fields in Space: Measuring the magnetic field of our Galaxy”, Sigma Pi Sigma Quadrennial Congress, Fermilab, IL, USA, Nov 6-8, 2008, conference poster

**TEACHING EXPERIENCE**

**Course instructor:**

Introduction to Observational Radio Astronomy mini-course (graduate): Spring 2020

A short (8-lecture hour) course on radio astronomy. This course was conceived, proposed, designed, delivered, and graded by myself.

**Teaching Assistantships (by course):**

Interstellar Medium (undergraduate): 2013, 2014, 2015, 2016

Scientific Programming 2 (Python) (undergraduate): 2014, 2015

Scientific Programming 1 (C) (undergraduate): 2015

Cosmic Magnetism (graduate): 2014

**Guest Lectures:** Radio Astronomy (undergraduate), 2016  
 Introduction to Radio Astronomy (undergraduate), 2019  
 Astronomy Outreach (undergraduate), 2020, 2021

**Workshops:** Python for physicists, a 1 day introduction. July 2018, run twice, ~35 participants. Workshop material was created and taught in partnership between myself and a high-school teacher.

**Volunteer Tutoring (1-on-1 and small group):**  
University of Calgary Residence Academic Mentoring program (RAMP, 3 hrs/week), 2006 - 2012  
University of Calgary Physics and Astronomy Student’s Association volunteer tutoring sessions (2 hrs/week), 2010 - 2012  
University of Calgary Society for Scientific Presentations, Elocution, and the Accumulation of Knowledge (SSPEAK), Founding member, 2011 - 2012

**PUBLIC OUTREACH**

* I was a regular volunteer at monthly public outreach events at the Rothney Astrophysical Observatory (RAO) from January 2009 to September 2012. I also gave invited outreach talks at the RAO in May 2010 and April 2018. In several years during my PhD I returned to the RAO as a volunteer during my summer vacations. The majority of this volunteering was spent doing live telescope demonstrations and Q&A for public audiences.
* I have been a member of the Reddit /r/AskScience panel of experts since Aug 2019. I have been answering science, technology, and astronomy questions regularly on Reddit since 2012.
* During my PhD I was involved in outreach activities (on a more limited basis due to the language barrier): I gave several small lectures to amateur astronomers, designed and ran (several times) a 1 day practical activity in radio astronomy for high-school students, and gave tours of the department radio telescopes.
* Since approximately 2016 I have been involved in online Discord communities focusing on amateur astronomy/astrophotography and amateur radio astronomy, providing expert/professional expertise when requested and taking part in impromptu Q&A sessions.

**Public talks:**

“Radio Astronomy: A whirlwind tour” – 2hr public lecture + Q&A delivered online for amateur astronomy communities Jan 2021 (& Oct 2021, for a different community). <https://www.youtube.com/watch?v=zKpsFAKzXKc>

Cosmos from Your Couch, Apr 2020: 1hr public Q&A on YouTube (live audience ~50)

North York Astronomical Association monthly meeting, Jan 2020: 1hr talk to audience of ~20 amateur astronomers.

UofT Astro Tours, Dec 2019: 1hr public lecture to audience of ~100. <https://www.youtube.com/watch?v=JM20vYdb2yI>

Rothney Astrophysical Observatory Open House, April 2018: 20 minute public talk to audience of ~150.

Rothney Astrophysical Observatory Open House, May 2010: 20 minute public talk to audience of ~150.

**SUPERVISION**

**Summer students:**

|  |  |  |
| --- | --- | --- |
| **Student** | **Project** | **Period** |
| A. Davydov | Characterizing magnetic fields in the interstellar medium with Faraday tomography (jointly supervised with Dr. Antoine Marchal) | Summer 2021 |
| M. Fine | Developing robust error analysis for radio polarization surveys | Summer 2021 |
| Hunting for radio sources in extreme magnetized environments | Summer 2020 |
| B. Gbeasor | Radio polarimetry as a probe of Galactic magnetism | Summer 2019 |

**SERVICE**

* In 2020 I served on the hiring committee for a postdoctoral research position at UofT.
* I have served as postdoc representative to the UofT astronomy department since September 2019. I have served as on the department community climate committee since Jan 2020.
* I have been the POSSUM survey Technical Group co-chair since November 2018.
* I am currently the software maintainer for the widely used polarimetry analysis software *RM-Tools*, as well as other radio astronomy software packages.
* I served as the first PhD student representative for the Radboud University Astronomy department from Mar 2016 to Feb 2017; my primary duties in this role were to organize meetings of the PhD students to discuss concerns over department policies, and to present these concerns to the department head.
* I have been a member of the LOFAR Magnetism Key Science project since 2013. I have participated in several LOFAR commissioning Busy Days and Busy Weeks, mostly working on problems related to polarization calibration and analysis.
* I was on the local organizing committee for the 2015 annual meeting of the LOFAR Magnetism Key Science Project.
* As a BSc and MSc student, I participated several times in volunteering for booths advertising the RAO and the department at events like the University recruitment fair (for future students), teachers conferences, etc.
* I was a volunteer tutor with the Residence Academic Mentoring Program at UofC, a volunteer peer mentoring program aimed at helping undergraduates in need of personal tutoring. I was the Senior Mentor (program co-coordinator) for two years. (Sept 2006 – April 2012 [Mentor], Apr 2007 – Apr 2009 [Senior Mentor])

**Refereeing for academic journals:** *Galaxies*, *MNRAS*, *ApJ*

**PROFESSIONAL REFERENCES/REFEREES**

Bryan Gaensler  
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Director, Dunlap Institute for Astronomy and Astrophysics  
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Marijke Haverkorn  
PhD supervisor  
Associate Professor, Radboud University  
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Jo-Anne Brown  
BSc/MSc/Postdoc Supervisor  
Associate Professor, University of Calgary  
jocat@ucalgary.ca