

# Curriculum Vitae

Christopher Capobianco

ccapo@ap.smu.ca

## Personal Information

- Full Name: *Christopher Claudio Capobianco*
- Date and Place of Birth: *March 9, 1979 – Toronto – Ontario – Canada*

## Education

- M. Sc. (Astronomy), Saint Mary's University, 2006  
*Modeling Dusty Planetary Disks Using Secular Perturbation Theory*  
Supervisor: Dr. Joseph Hahn
- Honours B. Sc. (Astrophysics), University of Toronto, 2002

## Research Experience

- Research Assistant for Dr. Raymond Carlberg  
University of Toronto, October 2003–July 2004
- Research Assistant for Dr. Douglas Johnstone  
University of Victoria, September 2002–May 2003
- Research Assistant for Dr. Slavek Rucinski  
David Dunlap Observatory, May 2002–September 2002
- Honours Thesis with Dr. Norman Murray  
University of Toronto, September 2001–May 2002
- Research Assistant for Dr. Slavek Rucinski and Dr. Robert Garrison  
David Dunlap Observatory, May 2001–September 2001
- Research Assistant for Dr. Robert Garrison  
David Dunlap Observatory, May 2000–September 2000
- Research Opportunity Program with Dr. Robert Garrison  
University of Toronto, September 1999–May 2000

## Professional Affiliations

- Student Member of the Canadian Astronomical Society (CASCA)  
March 2005–Present

## Scholarships and Awards

- Faculty of Graduate Studies and Research University Graduate Award (\$15,000)  
Saint Mary’s University, September 2005–August 2006
- Faculty of Graduate Studies and Research University Graduate Award (\$15,000)  
Saint Mary’s University, September 2004–August 2005
- NSERC Undergraduate Student Research Award (\$4000)  
David Dunlap Observatory, May 2001–August 2001

## Publications

### Refereed

- “Radial Velocity Studies of Close Binary Stars. X”  
Rucinski, Slavek M.; Pych, Wojtek; Ogloza, Waldemar; DeBond, Heide; Thomson, J. R.; Mochnecki, Stefan W.; Capobianco, Christopher C.; Conidis, George; Rogoziecki, P.; 2005, AJ, **130**, 767R
- “Radial Velocity Studies of Close Binary Stars. IX”  
Wojtek Pych, Slavek M. Rucinski, Heide DeBond, J. R. Thomson, Christopher C. Capobianco, R. Melvin Blake, Waldemar Ogloza, Greg Stachowski, Piotr Rogoziecki, Piotr Ligeza, Kosmas Gazeas; 2004, AJ, **127**, 1712P
- “On the Flux of Extra-Solar Dust in Earth’s Atmosphere”  
Murray, N.; Weingartner, Joseph C.; Capobianco, C.; 2004, ApJ, **600**, 804M
- “Radial Velocity Studies of Close Binary Stars. VIII”  
S. M. Rucinski, C. C. Capobianco, W. Lu, H. DeBond, J. R. Thomson, S. W. Mochnecki, R. M. Blake, W. Ogloza, G. Stachowski, P. Rogoziecki; 2003, AJ, **125**, 3258R
- “Radial Velocity Studies of Close Binary Stars. VI”  
S. M. Rucinski, W. Lu, C. Capobianco, S. W. Mochnecki, R. M. Blake, J. R. Thomson, W. Ogloza, G. Stachowski; 2002, AJ, **124**, 1738R

### Non-Refereed

- “Chiaroscuro: From Pericenter Glow to Apocenter Enhancement – Illuminating the Secular Structure of Dusty Planetary Systems.”  
Capobianco, C.; Hahn, J.; 2005, JRASC, **99**, 135C

- “Chiaroscuro: From Pericenter Glow to Apocenter Enhancement – Illuminating the Secular Structure of Dusty Planetary Systems”  
Hahn, J.; Capobianco, C.; 2005, DDA, **36**, 0504H
- “The NStars (Nearby Stars) Project at the DDO”  
Garrison, R.F., Abdool, R., Capobianco, C., Karmo, T., Naraghi, A., 2001, JRASC, **95**, 149
- “Revisiting the Classics”  
Garrison, R.F., Capobianco, C.,Fayet, C., 2000, JRASC, **94**, 248

## Workshops Attended

- Whistler Workshop on Planetary Science, June 5–10, 2005  
Whistler, British Columbia, Canada

## Observational Experience

- 115 scheduled observing nights from September 1999–August 2003  
at the David Dunlap Observatory, with over 450 hours of telescope time
- Assisted in follow-up observations of candidate asteroids at the Dominion Astrophysical Observatory, September 2003

## Computer Skills

- Programming Languages: *Fortran-77/90, IDL, Perl*
- Scientific Software: *IRAF, Mathematica*
- Operating Systems: *Linux, UNIX, Solaris, Mac OS X, Windows*

## Teaching Experience

- Teaching Assistant, Saint Mary’s University, September 2004–May 2006
  - University Physics I & II (PHYS1210/1)
  - Waves and Optics (PHYS2306)
  - Newtonian Mechanics (PHYS2305)
- Lab Demonstrator for University Physics I & II (PHYS1210/1)  
Saint Mary’s University, September 2005–May 2006
- Tutorial Instructor for University Physics I (PHYS1210)  
Saint Mary’s University, September 2005–December 2005

- Teaching Assistant, University of Victoria, September 2002–May 2003
  - General Astronomy II (ASTR200B)
  - Mechanics For Engineers (PHYS122)

## Additional Experience

- Tour Guide, Burke-Gaffney Observatory  
Saint Mary's University, September 2004–August 2006
- Tutor for Student in University Physics II (PHYS1211)  
Saint Mary's University, January 2005–April 2005
- Tutor for High School Student in Physics and Chemistry  
September 2003–July 2004
- Volunteer, Astronomy Day  
University of Victoria, May 2003
- Mentor, First Year Science Student Mentorship Program  
University of Toronto, September 2001–May 2002
- Tour Guide, David Dunlap Observatory RASC Private Tour  
September 2000 & September 2002
- Tour Guide, David Dunlap Observatory Public Tours  
May 2000–September 2003
- Frosh Leader, New College Frosh Week  
University of Toronto, September 1999–September 2002
- Tutor for High School Student in Mathematics  
September 1997–May 1998

## References

- Joesph Hahn, Research Scientist  
Space Science Institute  
Phone: (512) 291-2255  
E-mail: [jhahn@spacescience.org](mailto:jhahn@spacescience.org)
- Ray Carlberg, Professor  
Department of Astronomy and Astrophysics, University of Toronto  
Phone: (416) 978-2198  
E-mail: [carlberg@astro.utoronto.ca](mailto:carlberg@astro.utoronto.ca)

- Bob Garrison, Professor Emeritus  
Department of Astronomy and Astrophysics, University of Toronto  
Phone: (905) 884-9562 ext. 225  
E-mail: [garrison@astro.utoronto.ca](mailto:garrison@astro.utoronto.ca)