

# UNIVERSITY OF VICTORIA - CURRICULUM VITAE

Last updated: September 2015

**NAME:** NAVARRO, Julio F.

**Faculty or School:** Science

**Department:** Physics and Astronomy

## 1. EDUCATION and TRAINING

<u>Degree</u>	<u>Institution</u>	<u>Year obtained</u>
B.Sc.	Universidad Nacional de Córdoba, Argentina	1986
Ph.D.	Universidad Nacional de Córdoba, Argentina	1989

## 2. POSITIONS HELD PRIOR TO APPOINTMENTS AT UNIVERSITY OF VICTORIA

2007-2008: Professor of Astronomy. University of Massachusetts, Amherst, MA, USA.

1994-1998: Bart J. Bok Fellow. Steward Observatory, University of Arizona, Tucson, AZ, USA.

1991-1994: Senior Research Assistant, Physics Department, University of Durham, Durham, United Kingdom.

1991: Research Assistant, Institute of Astronomy, University of Cambridge, Cambridge, United Kingdom

1989-1990: Smithsonian Astrophysics Observatory Predoctoral Fellow, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA.

1989-1990: Associate Researcher at Harvard College Observatory, Center for Astrophysics, Harvard University, Cambridge, MA, USA.

1986-1988: Graduate Student Fellowship, Consejo de Investigaciones Científicas y Técnicas de la República Argentina (CONICET).

## 3. APPOINTMENTS at the UNIVERSITY of VICTORIA

<b>Period</b>	<b>Rank</b>	<b>Academic unit</b>
1 Jul 02 – present	Professor	Physics and Astronomy
1 Jul 01 – 30 Jun 02	Associate Professor	Physics and Astronomy
1 Apr 98 – 30 Jun 01	Assistant Professor	Physics and Astronomy

**4. MAJOR FIELD(S) OF SCHOLARLY OR PROFESSIONAL INTEREST**

Astronomy: Physics: Cosmology: Galaxies: Dark Matter: Numerical Simulations

**5. RESEARCH GRANTS AND FELLOWSHIPS**

**a. Research operating grants**

<u>Agency</u>	<u>Title</u>	<u>Grant holders (indicate PI)</u>	<u>Time period</u>	<u>Amount awarded per annum in CAD\$</u>
NASA	ATP Grant	Matthias Steinmetz	1997/2000	\$125,000
UVIC	Innovative Teaching Award	Julio Navarro	1999	\$5,000
NSERC	Research Grant	Julio Navarro	1998	\$38,500
UVIC	Research and Travel Grant	Julio Navarro	1999	\$1,021
NSERC	Research Grant	Julio Navarro	1999	\$42,350
AUCC	Going Global-STEP Program	Julio Navarro	1999	\$1,850
UVIC	Research and Travel Grant	Julio Navarro	2000	\$1,062
NSERC	Research Grant	Julio Navarro	2000	\$41,500
NSERC	CRO	Arif Babul	2000/2003	\$120,000
PIMS	Postdoctoral Fellow	Julio Navarro	2000/2001	\$ 18,000
CITA	National Fellow	Julio Navarro	2000/2001	\$ 25,000
NASA	ATP Grant	Matthias Steinmetz	2001/2003	\$140,000
NSERC	Research Grant	Julio Navarro	2001/2003	\$42,500
NSERC	CRO	Ray Carlberg	2001/2004	\$2,350,000
NSERC	Research Grant	Julio Navarro	2004/2009	\$59,000
CITA	National Fellow	Julio Navarro	2002/2004	\$25,000
UVIC	Research and Travel Grant	Julio Navarro	2004/2009	\$750
NSERC	Special Res. Opportunities	Julio Navarro	2005/2007	\$95,000
NSERC	Research Grant	Julio Navarro	2009/2013	\$75,000
UVic	Internal Research Grant	Julio Navarro	2009/2012	\$900
CifAR	Research Grant	Julio Navarro	2007/2016	\$20,000
NSERC	Research Grant	Julio Navarro	2014/2018	\$62,000

**b. Equipment Grants**

UVIC	Startup	Julio Navarro	1998	\$129,000
CFI	New Opportunities	Julio Navarro	1998/99	\$155,000
BCKDF	Equipment	N. Dimopoulos	2000	\$1,107,361
CFI	Equipment	N. Dimopoulos	2000	\$1,107,604
CFI	Equipment	Inna Sharf	2000	\$711,080
NSERC	Equipment	Julio Navarro	2010	\$42,887

**c. Honours, fellowships, and scholarships**

Henry Marshall Tory Medal of the Royal Society of Canada	2015
UK Leverhulme Foundation Visiting Professorship	2015/2016
Fellow of the Royal Society of Canada	2011 to date
Perimeter Institute Affiliate Member	2010 to date
Fellow of the Canadian Institute for Advanced Research	2002 to date
UK Leverhulme Foundation Visiting Professorship	2004/2006
John Simon Guggenheim Memorial Foundation Fellowship	2003/2005
Fellow of the Institute for Advanced Studies of the Hebrew University of Jerusalem	2003
University of Victoria Faculty of Science Research Award	2003
Friedrich Wilhelm Bessel Research Prize (Humboldt Foundation)	2003/2005
Alfred P. Sloan Foundation Fellowship	1999/2001
Scholar of the Canadian Institute for Advanced Research	1998/2002

**d. Miscellaneous**

- Included in Thomson’s ISI list of “Highly Cited Scientists” 2004
- Biography included in Who’s Who in the World 2004
- Biography included in “2000 Intellectuals of the 21<sup>st</sup> Century”. International Biographical Center, Cambridge, UK 2004
- Nominated as 2004 International Scientist of the Year, International Biographical Center, Cambridge, UK

**6. PUBLICATIONS and PRESENTATIONS**

**a. Articles published in refereed journals**

**Citation analysis (September 2015): 190 refereed papers; 32,750 total refereed citations; 1 paper with 5000+ citations, 2 papers with 3500+ citations; 4 papers with 1000+ citations; 10 papers with 500+ citations; 30 papers with 250+ citations; 56 papers with 100+ citations. H-index=70 (i.e., 70 papers with 70+ citations).**

1. Navarro, J.F., Mosconi, M.B. and Lambas, D.G ., 1987. Merging Instability in Groups of Galaxies with Dark Matter. *M.N.R.A.S.*, **228**, 501.
2. Navarro, J.F. and Mosconi, M.B., 1989. Spherical Galaxy Collisions: Head-On Encounters. *Ap. J.* **336**, 669.
3. Navarro, J.F., 1989. Merging Encounters between Equal-Mass Non-Rotating Galaxies. *M.N.R.A.S.* **239**, 257.
4. Navarro, J.F., 1990. On the Density Structure of Galaxy Merger Remnants. *M.N.R.A.S.* **242**, 311.
5. Navarro, J.F. and Benz, W., 1991. Dynamics of Cooling Gas in Galactic Dark Halos, *Ap. J.* **380**, 320.

6. Navarro, J.F. and White, S.D.M., 1993. Simulations of Dissipative Galaxy Formation in Hierarchically Clustering Universes I: Tests of the Code. *M.N.R.A.S.* **265**, 271.
7. White, S.D.M., Navarro, J.F., Evrard, A.E., and Frenk, C.S., 1993. The Baryon Content of Galaxy Clusters: A Challenge to Cosmological Orthodoxy. *Nature* **366**, 429.
8. Navarro, J.F. and White, S.D.M., 1994. Simulations of Dissipative Galaxy Formation in Hierarchically Clustering Universes II: Dynamics of the Baryonic Component in Galactic Halos, *M.N.R.A.S.*, **267**, 401.
9. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1994. Accretion of Satellite Galaxies and the Density of the Universe. *M.N.R.A.S.* **267**, L1.
10. Cole, S., Aragón, A., Frenk, C.S., Navarro, J.F., and Zepf, S., 1994. A Recipe for Galaxy Formation. *M.N.R.A.S.*, **271**, 781.
11. Heyl, J.S., Cole S., Frenk C.S., and Navarro, J.F., 1995. Galaxy Formation in a Variety of Hierarchical Models, *M.N.R.A.S.* **274**, 755.
12. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1995. The Assembly of Galaxies in a Hierarchically Clustering Universe. *M.N.R.A.S.*, **275**, 56.
13. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1995. Simulations of X-ray Clusters. *M.N.R.A.S.* **275**, 720.
14. Navarro, J.F., White, S.D.M., and Frenk, C.S. 1996. The Structure of Cold Dark Matter Halos. *Ap. J.* **462**, 563.
15. Eke, V.R., Cole, S.M., Frenk, C.S., and Navarro, J.F. 1996. Cluster Correlation Functions in N-body Simulations, *M.N.R.A.S.* **281**, 703.
16. Evrard, A.E., Metzler, C.A., and Navarro, J.F. 1996. Mass Estimates of X-Ray Clusters, *Ap. J.* **469**, 494.
17. Raiteri, C.M., Villata, M., and Navarro, J.F., 1996. Simulations of Galactic Chemical Evolution. I. O and Fe Abundances in a Simple Collapse Model, *Astronomy and Astrophysics*, **315**, 105.
18. Navarro, J.F., Eke, V.R., and Frenk, C.S., 1996. The Cores of Dwarf Galaxy Halos. *M.N.R.A.S.*, **283**, L72.
19. Navarro, J.F., and Steinmetz, M., 1997. The Effects of a Photoionizing UV Background on the Formation of Disk Galaxies, *Ap. J.* **478**, 13.
20. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1997. A Universal Density Profile from Hierarchical Clustering, *Ap. J.* **490**, 493.

21. Eke, V.R., Navarro, J.F., and Frenk, C.S. 1998. The Evolution of X-ray Clusters in a Low-Density Universe, *Ap. J.* **503**, 569.
22. Ponman, T., Cannon, D., and Navarro, J.F., 1999. The Thermal Imprint of Galaxy Formation on X-ray Clusters. *Nature*, **397**, 135.
23. Steinmetz, M., Navarro, J.F. 1999. The Cosmological Origin of the Tully-Fisher Relation. *Ap.J.* **513**, 555.
24. Frenk, C.S., White, S.D.M., Bryan, G., Cen, R., Couchman, H., Evrard, A.E., Gnedin, N., Jenkins, A., Navarro, J.F., Owen, M., Pen, U., Steinmetz, M., Yepes, G., Wadsley, J., Warren, M. 1999. The Santa Barbara Cluster Comparison Project: A Test of Cosmological Hydrodynamics Solutions. *Ap.J.*, **525**, 554.
25. Williams, L., Navarro, J.F., Bartelmann, M. 1999. The Core Structure of Galaxy Clusters from Gravitational Lensing. *Ap.J.* **527**, 535.
26. Navarro, J.F., Steinmetz, M. 2000. The Core Density of Dark Matter Halos. A Critical Challenge to the Lambda CDM Paradigm?. *Ap.J.* **528**, 607.
27. Abadi, M.G., Bower, R., Navarro, J.F. 2000. Self-similar Shocked Accretion of Collisional Gas with Radiative Cooling. *M.N.R.A.S.* **314**, 759.
28. Navarro, J.F., Steinmetz, M. 2000. Dark Halo and Disk Galaxy Scaling Laws. *Ap.J.* **538**, 477.
29. Balogh, M., Navarro, J.F., Morris, S. 2000. The Origin of Star Formation Gradients in Rich Galaxy Clusters. *Ap.J.* **540**, 113.
30. Eke, V.R., Navarro, J.F., Steinmetz, M. 2001. The Power Spectrum Dependence of Dark Matter Halo Concentrations. *The Astrophysical Journal*, **554**, 114.
31. Taylor, J., Navarro, J.F. 2001. The Phase Space Density Profile of Cold Dark Matter Halos. *The Astrophysical Journal*, **563**, 483.
32. Font, A., Navarro, J.F., Stadel, J., Quinn, T.R. 2001. Halo Substructure and Disk Heating in A Lambda CDM Universe. *The Astrophysical Journal Letters*, **563**, L1.
33. Steinmetz, M., and Navarro, J.F. 2002. The Hierarchical Origin of Galaxy Morphologies. *New Astronomy*, **7**, 155.
34. Power, C., Navarro, J.F., Jenkins, A.R., Frenk, C.S., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2003. The Inner Structure of  $\Lambda$ CDM Halos I: A Numerical Convergence Study. *MNRAS*, **338**, 14.
35. Hayashi, E., Navarro, J.F., Taylor, J.E, Stadel, J. Quinn, T.R. 2002. The Structural Evolution of Substructure. *The Astrophysical Journal*, **584**, 541.

36. Meza, A., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a Lambda CDM Universe III: The Dissipative Formation of an Elliptical Galaxy. *The Astrophysical Journal*, **590**, 619.
37. Abadi, M.G., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a Lambda CDM Universe I: Dynamical and Photometric Properties of a Simulated Disk Galaxy. *The Astrophysical Journal*, **591**, 499.
38. Helmi, A., Meza, A., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. On the nature of the ring-like structure in the Outer Galactic Disk. *The Astrophysical Journal Letters*, **592**, L25.
39. Abadi, M.G., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a Lambda CDM Universe II: The Fine Structure of Simulated Galactic Disks. *The Astrophysical Journal*, **597**, 21.
40. Navarro, J.F., Helmi, A., Freeman, K.C. 2003. The Extragalactic Origin of the Arcturus Group. *The Astrophysical Journal Letters*, **601**, L43.
41. Navarro, J.F., Hayashi, E., Jenkins, A., Frenk, C.S., Power, C., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2004. The Inner Structure of Lambda CDM Halos III: Universality and Asymptotic Slopes. *MNRAS*, **349**, 1039.
42. Bradač, M., Schneider, P., Lombardi, M., Steinmetz, M., Koopmans, L.V.E., Navarro, J.F. 2004. The Signature of CDM Substructure on Gravitational Lensing. *Astronomy and Astrophysics*, **423**, 797.
43. Navarro, J.F., Abadi, M.G., Steinmetz, M. 2004. Tidal Torques and the Orientation of Nearby Disk Galaxies. *The Astrophysical Journal Letters*, **613**, L41.
44. Hayashi, E., Navarro, J.F., Jenkins, A., Frenk, C.S., Power, C., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2004. The Inner Structure of Lambda CDM Halos II: Halo Mass Structure and LSB Rotation Curves. *MNRAS*, **355**, 794.
45. Merritt, D., Navarro, J.F., Ludlow, A., Jenkins, A.R. 2005. A Universal Density Profile for Dark and Luminous Matter. *The Astrophysical Journal Letters*, **624**, L85.
46. Meza, A., Navarro, J.F., Abadi, M.G., Steinmetz, M. 2005. Accretion Relics in the Solar Neighbourhood: debris from omega Cen's Parent Galaxy. *Monthly Notices of the Royal Astronomical Society*, **359**, 93.
47. Springel, V., White, S.D.M., Jenkins, A., Frenk, C.S., Yoshida, N., Gao, L., Navarro, J.F., Thacker, R., Croton, D., Helly, J., Peacock, J., Cole, S., Thomas, P., Couchman, H., Evrard, A., Colberg, J., Pearce, F. 2005. Simulations of the formation, evolution and clustering of galaxies and quasars. *Nature*, **435**, 629.
48. Bailin, Jeremy; Kawata, Daisuke; Gibson, Brad K.; Steinmetz, Matthias; Navarro, Julio F.; Brook, Chris B.; Gill, Stuart P. D.; Ibata, Rodrigo A.; Knebe, Alexander; Lewis, Geraint F.;

- Okamoto, Takashi. 2005. Internal Alignment of the Halos of Disk Galaxies in Cosmological Hydrodynamic Simulations. *The Astrophysical Journal Letters*, **627**, L17
49. Libeskind, Noam I.; Frenk, Carlos S.; Cole, Shaun; Helly, John C.; Jenkins, Adrian; Navarro, Julio F.; Power, Chris. 2005. The distribution of satellite galaxies: the great pancake. *Monthly Notices of the Royal Astronomical Society*, **363**, 146.
50. Darren J. Croton, Volker Springel, Simon D. M. White, G. De Lucia, C. S. Frenk, L. Gao, A. Jenkins, G. Kauffmann, J. F. Navarro, N. Yoshida. 2006. The many lives of AGN: cooling flows, black holes and the luminosities and colours of galaxies. *MNRAS*, **365**, 11.
51. Abadi, M.G., Navarro, J.F., Steinmetz, M., 2006. Stars beyond Galaxies: The Origin of Extended Luminous Halos around Galaxies. *MNRAS*, **365**, 747.
52. Amina Helmi, J.F.Navarro, B. Nordstrom, J. Holmberg, M.G. Abadi, M. Steinmetz, 2006. Pieces of the puzzle: Ancient substructure in the Galactic disk. *MNRAS*, **365**, 1309.
53. V.R.Eke, C.M.Baugh, S.Cole, C.S.Frenk, J.F.Navarro, 2006. Galaxy groups in the 2dFGRS: the number density of groups. *MNRAS*, **370**, 1147.
54. Steinmetz, M. et al 2006. The Radial Velocity Experiment (RAVE): first data release. *The Astronomical Journal*, **132**, 1645.
55. Hayashi, E., Navarro, J.F., 2006. Hiding Cusps in Cores: Kinematics of Disk Galaxies in Triaxial Dark Matter Halos. *MNRAS*, **373**, 1117.
56. Bett, P., Eke, V.R., Frenk, C.S., Jenkins, A., Helly, J., Navarro, J.F. 2007. The spin and shape of dark matter haloes in the Millennium simulation of a LambdaCDM universe. *MNRAS* **376**, 215.
57. Crain, Robert A.; Eke, Vincent R.; Frenk, Carlos S.; Jenkins, Adrian; McCarthy, Ian G.; Navarro, Julio F.; Pearce, Frazer R. 2007. The baryon fraction of LambdaCDM haloes. *MNRAS* **377**, 41.
58. Hayashi, E., Navarro, J.F., Springel, V. 2007. The Shape of the Gravitational Potential in Cold Dark Matter Halos. *MNRAS* **377**, 50.
59. Smith, M. C.; Ruchti, G. R.; Helmi, A.; Wyse, R. F. G.; Fulbright, J. P.; Freeman, K. C.; Navarro, J. F.; et al. 2007. The RAVE Survey: Constraining the Local Galactic Escape Speed. *MNRAS* **379**, 755.
60. Sales, L.V., Navarro, Julio F., Abadi, M.G., Steinmetz, M. 2007. Satellites of Simulated Galaxies: survival, merging, and their relation to the dark and stellar haloes. *MNRAS* **379**, 1464.
61. Sales, L.V., Navarro, Julio F., Abadi, M.G., Steinmetz, M. 2007. Cosmic M $\acute{e}$ nage  $\grave{a}$  Trois: The Origin of Satellites on Extreme Orbits. *MNRAS* **379**, 1475.
62. D’Onghia, E., Navarro, J.F. 2007. Do Mergers Spin-up Dark Matter Haloes? *MNRAS* **380**, L58.

63. McConnachie, A., Peñarrubia, J., Navarro, J.F. 2006. Multiple dynamical components in Local Group dwarf spheroidals. *MNRAS* **380**, L75.
64. Neto, A.F.,..., Navarro, J.F., and 7 other coauthors, 2007. The statistics of Lambda CDM halo concentrations. *MNRAS* **381**, 1450.
65. Sales, L.V., Navarro, Julio F., Lambas, D.G., White, S.D.M., Croton, D.J. 2007. Satellite galaxies and fossil groups in the Millennium Simulation. *MNRAS* **382**, 1901.
66. Peñarrubia, J., Navarro, Julio F., McConnachie, A.W. 2008. The Tidal Evolution of Local Group Dwarf Spheroidals. *The Astrophysical Journal* **673**, 226.
67. Peñarrubia, J., McConnachie, A.W., Navarro, Julio. F. 2007. The Cold Dark Matter Halos of Local Group Dwarf Spheroidals. *The Astrophysical Journal* **672**, 904.
68. Seabroke, G.M., and 21 coauthors. 2008. Is the sky falling ? Searching for stellar streams in the local Milky Way disk in the CORAVEL and RAVE surveys. *MNRAS*, **384**, 11.
69. Veltz, L., and 19 co-authors. 2008. Galactic kinematics with RAVE data. I. The distribution of stars towards the Galactic poles. *A&A*, **480**, 753.
70. Gao, L., and 7 co-authors. 2008. The redshift dependence of the structure of massive  $\Lambda$  cold dark matter haloes. *MNRAS* **387**, 536.
71. Zwitter, T., and 49 co-authors. 2008. The Radial Velocity Experiment (RAVE): Second Data Release *The Astronomical Journal*, **136**, 421.
72. Munari, U., and 22 coauthors. 2008. Diffuse interstellar bands in RAVE survey spectra. *A&A*, **488**, 969.
73. Springel, V.; White, S. D. M.; Frenk, C. S.; Navarro, J. F.; Jenkins, A.; Vogelsberger, M.; Wang, J.; Ludlow, A.; Helmi, A. 2008. Prospects for detecting supersymmetric dark matter in the Galactic halo. *Nature*, 456, 73.
74. Siebert, A., and 18 coauthors. 2008. Estimation of the tilt of the stellar velocity ellipsoid from RAVE and implications for mass models. *MNRAS*, **391**, 793.
75. Springel, V.; Wang, J.; Vogelsberger, M.; Ludlow, A.; Jenkins, A.; Helmi, A.; Navarro, J. F.; Frenk, C. S.; White, S. D. M. 2008. The Aquarius Project: the subhaloes of galactic haloes. *MNRAS*, **391**, 1685.
76. Abadi, Mario G.; Navarro, Julio F.; Steinmetz, Matthias 2009. An Alternative Origin for Hypervelocity Stars. *The Astrophysical Journal* **691**, L63
77. Ludlow, Aaron D.; Navarro, Julio F.; Springel, Volker; Jenkins, Adrian; Frenk, Carlos S.; Helmi, Amina 2009. The Unorthodox Orbits of Substructure Halos. *The Astrophysical Journal* **692**, 931.



78. Vogelsberger, Mark; Helmi, Amina; Springel, Volker; White, Simon D. M.; Wang, Jie; Frenk, Carlos S.; Jenkins, Adrian; Ludlow, Aaron; Navarro, Julio F. 2009. Phase-space structure in the local dark matter distribution and its signature in direct detection experiments. *MNRAS* **395**, 797.
79. Peñarrubia, Jorge; Navarro, Julio F.; McConnachie, Alan W.; Martin, Nicolas F. 2009. The Signature of Galactic Tides in Local Group Dwarf Spheroidals. *The Astrophysical Journal* **698**, 222.
80. Munari, U.; and 21 coauthors, 2009. RAVE spectroscopy of luminous blue variables in the Large Magellanic Cloud. *Astronomy & Astrophysics* **503**, 511.
81. Xu, D. D.; Mao, Shude; Wang, Jie; Springel, V.; Gao, Liang; White, S. D. M.; Frenk, Carlos S.; Jenkins, Adrian; Li, Guoliang; Navarro, Julio F. 2009. Effects of dark matter substructures on gravitational lensing: results from the Aquarius simulations. *MNRAS* **398**, 1235.
82. McConnachie, Alan W.; and 12 co-authors, 2009. The remnants of galaxy formation from a panoramic survey of the region around M31. *Nature* **461**, 66.
83. Sales, Laura V.; Navarro, Julio F.; Schaye, Joop; Dalla Vecchia, Claudio; Springel, Volker; Haas, Marcel R.; Helmi, Amina 2009. The origin of extended disc galaxies at  $z = 2$ . *MNRAS* **399**, L64.
84. Martin, Nicolas F., and 12 co-authors, 2009. PAndAS' CUBS: Discovery of Two New Dwarf Galaxies in the Surroundings of the Andromeda and Triangulum Galaxies. *The Astrophysical Journal* **705**, 758.
85. Breddels, M. and 21 co-authors, 2010. Distance determination for RAVE stars using stellar models. *A&A* **511**, 90.
86. Navarro, Julio F.; Ludlow, Aaron; Springel, Volker; Wang, Jie; Vogelsberger, Mark; White, Simon D. M.; Jenkins, Adrian; Frenk, Carlos S.; Helmi, Amina, 2010. The diversity and similarity of simulated cold dark matter haloes. *MNRAS*, **402**, 21.
87. Gao, L., and 7 co-authors, 2010. The earliest stars and their relics in the Milky Way. *MNRAS* **403**, 1283.
88. Matijević, G., and 21 co-authors, 2010. Double-lined Spectroscopic Binary Stars in the Radial Velocity Experiment Survey. *AJ* **140**, 184.
89. Ludlow, A., and 7 co-authors, 2010. Secondary infall and the pseudo-phase-space density profiles of cold dark matter haloes. *MNRAS* **406**, 137.
90. Cooper, A., and 11 co-authors, 2010. Galactic stellar haloes in the CDM model. *MNRAS* **406**, 744.
91. Monelli, M., and 14 co-authors, 2010. The ACS LCID Project. III. The Star Formation History of the Cetus dSph Galaxy: A Post-reionization Fossil. *The Astrophysical Journal* **720**, 1225.

92. Kazantzidis, Stelios; Abadi, Mario G.; Navarro, Julio F., 2010. The Sphericalization of Dark Matter Halos by Galaxy Disks. *The Astrophysical Journal Letters* 620, L62.
93. Abadi, Mario G.; Navarro, Julio F.; Fardal, Mark; Babul, Arif; Steinmetz, Matthias, 2010. Galaxy-induced transformation of dark matter haloes. *MNRAS* 407, 435.
94. Ruchti, G., and 22 co-authors, 2010. Origins of the Thick Disk as Traced by the Alpha Elements of Metal-poor Giant Stars Selected from Rave. *The Astrophysical Journal Letters* 721, L92.
95. Zwitter, T., and 22 co-authors, 2010. Distance determination for RAVE stars using stellar models . II. Most likely values assuming a standard stellar evolution scenario. *A&A* 522, 54.
96. Fulbright, J., and 23 co-authors, 2010. The RAVE Survey: Rich in Very Metal-poor Stars. *The Astrophysical Journal Letters* 724, L24.
97. Sales, Laura V.; Navarro, Julio F.; Schaye, Joop; Vecchia, Claudio Dalla; Springel, Volker; Booth, C. M., 2010. Feedback and the structure of simulated galaxies at redshift  $z=2$ . *MNRAS* 409, 1541.
98. Williams, M., and 24 co-authors, 2011. The Dawning of the Stream of Aquarius in RAVE. *ApJ* 728, 102.
99. Kiss, L., and 26 co-authors, 2011. A search for new members of the  $\beta$ Pictoris, Tucana-Horologium and  $\epsilon$ Cha moving groups in the RAVE data base. *MNRAS*, 411, 117.
100. Carlberg, R., and 12 co-authors, 2011. Density Variations in the NW Star Stream of M31. *ApJ* 731, 724.
101. Navarro, J.F., and 4 co-authors, 2011. Through Thick and Thin: Kinematic and Chemical Components in the Solar Neighbourhood. *MNRAS*, 412, 1203.
102. Coskunoglu, B., and 21 co-authors, 2011. Local stellar kinematics from RAVE data - I. Local standard of rest. *MNRAS*, 412, 1237.
103. Siebert, A. and 24 co-authors, 2011. Detection of a radial velocity gradient in the extended local disc with RAVE. *MNRAS* 412, 2026.
104. Helmi, A., and 5 co-authors, 2011. Substructure in the Stellar Halos of the Aquarius Simulations. *ApJ*, 733, L7.
105. Wang, J., Navarro, J.F, and 7 co-authors, 2011. Assembly history and structure of galactic cold dark matter haloes. *MNRAS* 413, 1373.
106. Wilson, M., and 23 co-authors, 2011. Testing formation mechanisms of the Milky Way's thick disc with RAVE. *MNRAS* 413, 2235.

107. Siebert, A., and 38 co-authors, 2011. The RAdial Velocity Experiment (RAVE): Third Data Release. *AJ* 141, 187.
108. Matijevic, G., and 18 co-authors, 2011. Single-lined Spectroscopic Binary Star Candidates in the RAVE Survey. *AJ* 141, 187.
109. Michel-Dansac, L., Abadi, Mario G., Navarro, Julio F. 2011. A Sagittarius-induced origin for the Monoceros ring. *MNRAS*, 414, L1.
110. Burnett, B., and 21 co-authors. 2011. Distance determination for RAVE stars using stellar models. III. The nature of the RAVE survey and Milky Way chemistry. *A&A* 532, 113.
111. Ruchti, G., and 19 co-authors. 2011. Observational Properties of the Metal-poor Thick Disk of the Milky Way and Insights into its Origins. *ApJ* 737, 9.
112. Ludlow, A., and 6 co-authors. 2011. The density and pseudo-phase-space density profiles of cold dark matter haloes. *MNRAS* 415, 3895.
113. Vera-Ciro, C.A., and 7 co-authors. 2011. The shape of dark matter haloes in the Aquarius simulations: evolution and memory. *MNRAS* 416, 1377.
114. Font, A., and 14 co-authors. 2011. The population of Milky Way satellites in the  $\Lambda$  cold dark matter cosmology. *MNRAS* 417, 1260.
115. Sales, Laura V.; Navarro, Julio F.; Cooper, Andrew P.; White, Simon D. M.; Frenk, Carlos S.; Helmi, Amina. 2011. Clues to the 'Magellanic Galaxy' from cosmological simulations. *MNRAS* 418, 648.
116. Boeche, C., and 23 co-authors. 2011. The RAVE Catalog of Stellar Elemental Abundances: First Data Release. *AJ* 142, 193.
117. Ruchti, G., and 19 co-authors. 2011. Metal-poor Lithium-rich Giants in the Radial Velocity Experiment Survey. *ApJ* 743, 107.
118. Matijevic, G., and 20 co-authors, 2012. "Exploring the Morphology of RAVE Stellar Spectra". *ApJS* 200, 14.
119. Sales, L., and 7 co-authors, 2012. "The Origin of Discs and Spheroids in Simulated Galaxies". *MNRAS* 423, 1544.
120. Scannapieco, C., and 22 co-authors, 2012. "The Aquila Comparison Project: The Effects of Feedback and Numerical Methods on Simulations of Galaxy Formation". *MNRAS* 423, 1726.
121. Wang, J., and 4 co-authors, 2012. "The Missing Massive Satellited of the Milky Way". *MNRAS* 424, 2715.

122. Gao, L., and 5 co-authors, 2012. "The Phoenix Project: The Dark Side of Rich Galaxy Clusters". MNRAS 425, 2169.
123. Siebert, A., and 21 co-authors, 2012. "The Properties of Local Spiral Arms from RAVE Data: Teo-Dimensional Density Wave Approach". MNRAS 425, 2335.
124. Herwig, F., and 5 co-authors, 2012. "From the Color-Magnitude Diagram of  $\omega$ Centauri and (Super)-Asymptotic Giant Branch Stellar Models to a Galactic Plane Passage Purging Chemical Evolution Scenario". ApJ 757, 132.
125. Ferrero, I., and 4 co-authors, 2012. "The Dark Matter Halos of Dwarf Galaxies: A Challenge for the LCDM Paradigm?". MNRAS 425, 2817.
126. Antoja, T., and 20 co-authors, 2012. "Kinematic Groups Beyond the Solar Neighborhood with RAVE". MNRAS 426, L1.
127. Pasetto, S., and 16 co-authors, 2012. "Thick Disk Kinematics from RAVE and the Solar Motion". A&A 547, 70.
128. Pasetto, S., and 16 co-authors, 2012. "Thin Disk Kinematics from RAVE and the Solar Motion". A&A 547, 71.
129. Ludlow, A., and 5 co-authors, 2012. "The dynamical state and mass-concentration relation of galaxy clusters". MNRAS 427, 1322.
130. Sales, L., and 3 co-authors, 2013. "Satellites and halos of dwarf galaxies". MNRAS 428, 573.
131. Ibata, R., and 16 co-authors, 2013. "A Vast, Thin Plane of Co-Rotating Dwarf Galaxies Orbiting the Andromeda Galaxy". Nature, 493, 62.
132. Benítez-Llambay, A., and 6 co-authors, 2013. "Dwarf Galaxies and the Cosmic Web". ApJL, 763, L41.
133. Starkeburg, E., and 9 co-authors, 2013. "The satellites of the Milky Way---Insights from semianalytic modeling in a  $\Lambda$ CDM Cosmology". MNRAS, 429, 725.
134. Fattahi, A., and 4 co-authors, 2013. "Galaxy Pairs in the Local Group". MNRAS, 431, L73.
135. Boeche, C., and 21 co-authors, 2013. "The relation between chemical abundances and kinematics of the Galactic disc with RAVE", A&A 553, 19.
136. Ludlow, A., and 8 co-authors, 2013. "The mass profile and accretion history of cold dark matter haloes". MNRAS 432, 1103.

137. Golubov, O., and 14 co-authors, 2013. “The asymmetric drift, the local standard of rest, and implications from RAVE data”. *A&A* 557, 92.
138. Zerjal, M., and 17 co-authors, 2013. “Chromospherically Active Stars in the RAdial Velocity Experiment (RAVE) Survey. I. The Catalog”. *ApJ* 776, 127.
139. Boeche, C., and 22 co-authors, 2013. “Chemical gradients in the Milky Way from the RAVE data. I. Dwarf stars”. *A&A* 559, 59.
140. Kordopatis, G., and 50 co-authors, 2013. “The Radial Velocity Experiment (RAVE): Fourth Data Release”. *AJ*, 146, 134.
141. Williams, M., and 26 co-authors, 2013. “The wobbly Galaxy: kinematics north and south with RAVE red-clump giants”. *MNRAS* 436, 101.
142. Kos, J., and 18 co-authors, 2013. “Diffuse Interstellar Band at 8620 Å in RAVE: A New Method for Detecting the Diffuse Interstellar Band in Spectra of Cool Stars”. *ApJ* 778, 86.
143. Kordopatis, G., and 19 co-authors, 2013. “In the thick of it: metal-poor disc stars in RAVE”. *MNRAS* 436, 323.
144. Gómez, F., and 5 co-authors, 2013. “Streams in the Aquarius stellar haloes”. *MNRAS* 436, 3602.
145. Ibata, R., and 16 co-authors, 2013. “The Large-scale Structure of the Halo of the Andromeda Galaxy. I. Global Stellar Density, Morphology and Metallicity Properties”. *ApJ* 780, 128.
146. Minchev, I., and 29 co-authors, 2013. “A New Stellar Chemo-Kinematic Relation Reveals the Merger History of the Milky Way Disk”. *ApJ* 781, L20.
147. Binney, J., and 17 co-authors, 2014. “New distances to RAVE stars”. *MNRAS* 437, 351.
148. Barber, C., and 4 co-authors, 2014. “The orbital ellipticity of satellite galaxies and the mass of the Milky Way”. *MNRAS* 437, 959.
149. Conrad, C., and 27 co-authors, 2014. “A RAVE investigation on Galactic open clusters. I. Radial velocities and metallicities”. *A&A* 562, 54.
150. Piffl, T., and 24 co-authors, 2014. “The RAVE survey: the Galactic escape speed and the mass of the Milky Way”. *A&A* 562, 91.
151. Algorry, D., and 5 co-authors, 2014. “Counterrotating stars in simulated galaxy discs”. *MNRAS* 437, 3596.
152. Binney, J., and 28 co-authors, 2014. “Galactic kinematics and dynamics from Radial Velocity Experiment stars”. *MNRAS* 439, 1231.

153. Vera-Ciro, C.A., and 3 co-authors, 2014. "The shape of dark matter subhaloes in the Aquarius simulations". *MNRAS* 439, 2863.
154. Skillman, E., and 15 co-authors, 2014. "The ACS LCID Project. X. The Star Formation History of IC 1613: Revisiting the Over-cooling Problem". *ApJ* 786, 44.
155. Martin, N., and 18 co-authors, 2014. "The PAndAS Field of Streams: Stellar Structures in the Milky Way Halo toward Andromeda and Triangulum". *ApJ* 787, 19.
156. Ludlow, A., and 6 co-authors, 2014. "The mass-concentration-redshift relation of cold dark matter haloes". *MNRAS* 441, 378.
157. Weisz, D., and 18 co-authors, 2014. "Comparing M31 and Milky Way Satellites: The Extended Star Formation Histories of Andromeda II and Andromeda XVI". *ApJ* 789, 24.
158. Boeche, C., and 21 co-authors, 2014. "Chemical gradients in the Milky Way from the RAVE data. II. Giant stars". *A&A* 568, 71.
159. Kos, J., and 22 co-authors, 2014. "Pseudo--three-dimensional maps of the diffuse interstellar band at 862 nm". *Science* 345, 791.
160. Sharma, S., and 21 co-authors, 2014. "Kinematic Modeling of the Milky Way Using the RAVE and GCS Stellar Surveys". *ApJ* 793, 51.
161. Vera-Ciro, C., and 3 co-authors, 2014. "The Effect of Radial Migration on Galactic Disks". *ApJ* 794, 173.
162. Bienaymé, O., and 18 co-authors, 2014. "Weighing the local dark matter with RAVE red clump stars". *A&A* 571, 92.
163. Munari, U., and 26 co-authors, 2014. "APASS Landolt-Sloan BVgri Photometry of RAVE Stars. I. Data, Effective Temperatures, and Reddenings". *AJ* 148, 81.
164. De Lucia, G., and 5 co-authors, 2014. "Elemental abundances in Milky Way-like galaxies from a hierarchical galaxy formation model". *MNRAS* 445, 970.
165. Kunder, A., and 24 co-authors, 2014. "Spectroscopic signatures of extratidal stars around the globular clusters NGC 6656 (M 22), NGC 3201, and NGC 1851 from RAVE". *A&A* 572, 30.
166. Piffl, T., and 19 co-authors, 2014. "Constraining the Galaxy's dark halo with RAVE stars". *MNRAS* 445, 3133.
167. Crnojevic, D., and 11 co-authors, 2014. "A PAndAS view of M31 dwarf elliptical satellites: NGC 147 and NGC 185". *MNRAS* 445, 3862.

168. Schaye, J., and 21 co-authors, 2015. “The EAGLE project: simulating the evolution and assembly of galaxies and their environments”. MNRAS 446, 521.
169. Antoja, T., and 15 co-authors, 2015. “The Imprints of the Galactic Bar on the Thick Disk with Rave”. ApJ 800, L32.
170. Barber, C., and 3 co-authors, 2015. “Galactic tides and the shape and orientation of dwarf galaxy satellites”. MNRAS 447, 1112.
171. Hawkins, K., and 23 co-authors, 2015. “Characterizing the high-velocity stars of RAVE: the discovery of a metal-rich halo star born in the Galactic disc”. MNRAS 447, 2046.
172. De Lucia, Gabriella; T, and 5 co-authors, 2015. “Erratum: elemental abundances in Milky Way-like galaxies from a hierarchical galaxy formation model”. MNRAS 447, 3420.
173. Kordopatis, G.; and 22 co-authors, 2015. “The rich are different: evidence from the RAVE survey for stellar radial migration”. MNRAS 447, 3526.
174. Sawala, Till; and 13 co-authors, 2015. “Bent by baryons: the low-mass galaxy-halo relation”. MNRAS 448, 2941.
175. Benítez-Llambay, A., and 5 co-authors, 2015. “The imprint of reionization on the star formation histories of dwarf galaxies”. MNRAS 450, 4207.
176. Anguiano, B.; and 24 co-authors, 2015. “Identification of globular cluster stars in RAVE data - I. Application to stellar parameter calibration”. MNRAS 451, 1229.
177. Oman, Kyle A.; and 11 co-authors, 2015. “The unexpected diversity of dwarf galaxy rotation curves”. MNRAS 452, 3650.

**b. Refereed conference proceedings**

1. Navarro, J.F., 1994. Mergers and Galaxy Formation., Invited Review at the UNAM-CRAY Supercomputer Conference on Numerical Simulations in Astrophysics, J.J. Franco et al. (eds.), (Cambridge University Press: Cambridge), page 53.
2. Navarro, J.F., 1995. Simulations of Galaxy Formation in Hierarchically Clustering Universes, Invited Review at the 11th IAP Meeting, The Interplay between Massive Star Formation, the ISM and Galaxy Evolution, eds. Kunth, D. et al., (Editions Frontières: Paris), page 457.
3. Navarro, J.F., 1996. Cosmological Constraints from Rotation Curves of Disk Galaxies, in the Proceedings of *Dark and Visible Matter in Galaxies and Cosmological Implications* (PASP Conference Series), eds. M. Persic and P. Salucci, p. 404.
4. Gómez-Flechoso, M.A., Domínguez-Tenreiro, R., Navarro, J.F., 1997. The Effects of Cluster Tides on Disk Galaxies, *Astrophysical Letters & Communications*, **36**, 291.

5. Navarro, J.F., 1998. Dark Matter Halos and Disk Rotation Curves. Invited Review at the Santa Cruz Workshop, Galactic Halos, ed. Zaritsky, D., PASP Conference Series 136, page 409.
6. Steinmetz, M., Navarro, J.F. 2000. The Origin of Galaxy Scaling Laws. In "Dynamics of Galaxies: From the Early Universe to the Present", eds. F. Combes, G. Mamon, W. Charmandaris. ASP Conference Series 197. Page 165.
7. Navarro, J. 2000. Dark Halo and Disk Galaxy Scaling Laws. In "Galaxy Disks and Disk Galaxies", ASP Conference Series, volume 230, p.527, J.G.Funes, S.J. and E.M.Corsini, eds.
8. Navarro, J. 2001. "The Inner Structure of Cold Dark Matter Halos". In the proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut., p.261.
9. Hayashi, E., Navarro, J.F. 2001. "Structural Evolution of Substructure". Proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut, p.403.
10. Navarro, J.F. 2003. "Simulations of Dark Matter Halos". Royal Society Scientific Discussion Meeting on Dark Matter.
11. Font, A., Navarro, J.F. 2001. "Cold Dark Matter Substructure and the Heating of Galactic Disks". Proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut. (ASP), p.391.
12. Navarro, J.F. 2001. "Substructure in CDM Halos and the Heating of Stellar Disks". Proceedings of the Yale Symposium "The Shapes of Galaxies and their Halos", World Scientific Press, ed. P. Natarajan.
13. Navarro, J.F. 2001. "The Inner Structure of Cold Dark Matter Halos". Proceedings of IAU Symposium 208 "Astrophysical Supercomputing using Particles". PASP Conference Series. J.Makino & P.Hut, eds.
14. Navarro, J.F. 2003. "CDM Halos and LSB Rotation Curves". Proceedings of the Royal Society Scientific Discussion on "Dark Matter". Phil.Trans.R.Soc.London. A (2003) 361, 2515.
15. Navarro, J.F. 2004. "The Inner Density Cusps of Cold Dark Matter Halos". Proceedings of the IAU Symposium 220 "Dark Matter in Galaxies", eds. S.Ryder, D.J.Pisano, M.Walker, K.C.Freeman. PASP Conference Series, Vol 220, p.61.
16. Helmi, A., Navarro, J.F., Meza, A., Steinmetz, M., Eke, V.R. 2003. "On the Nature of the Ring-Like Structure in the Outer Galactic Disk". Proceedings of the Conference "Satellites and Tidal Streams", La Palma, Canary Islands. PASP Conference Series.
17. Navarro, J.F. 2004. "The Hierarchical Formation of the Galactic Disk". Proceedings of the Conference "Penetrating Bars through Masks of Cosmic Dust", South Africa, eds. D.Block and K.C.Freeman.



18. Sales, L., and 7 co-authors. "The rise and fall of disks in cosmological simulations", in *Galaxy Formation: An International Conference, 2011* gafo.confE, E59S.
19. Navarro, J.F. 2011. "Kinematic and Chemical Components in the Solar Neighbourhood". *Proceedings of the Conference "Assembling the Puzzle of the Milky Way"*, Le Grand Bornand, France, ed. Celine Reyle.

**c. Books and chapters in books**

**d. Other publications**

1. Navarro, J.F., Lambas, D.G., and Sérsic, J.L., 1986. Dynamical Effects of Dark Matter in Systems of Galaxies, *Ap. Sp. Sci.*, **123**, 117.
2. Navarro, J.F. and Lambas, D.G., 1987. Dark Matter Influence on Velocity Dispersion Profiles of Clusters of Galaxies, *Ap. Sp. Sci.*, **133**, 241.
3. Navarro, J.F., 1992. Simulations of Dissipative Galaxy Formation in a Cold Dark Matter Universe, in *Structure, Dynamics and Chemical Evolution of Elliptical Galaxies*, Danziger, I.J., Zeilinger, W.W., and Kj ar (eds.) (ESO Conference and Workshop Proceedings No. 45), page 385.
4. Navarro, J.F., 1992. Dynamics of the Baryonic Component in Hierarchically Clustering Universes, in *The Evolution of Galaxies and their Environment*, Hollenbach, D., Thronson, H., and Shull, J.M. (eds.) (NASA Conference Publication 3190), page 372.
5. Navarro, J.F., 1994. X-ray Clusters in the CDM Cosmogony, in *NATO ASI Cosmological Aspects of Clusters of Galaxies*, W. Seitter (ed.), (Kluwer: Dordrecht), page 313.
6. Navarro, J.F., 1995. The Structure of CDM Halos, in the Proceedings of the IAU Symposium 171, *New Light on Galaxy Evolution*, eds. R. Davies and R. Bender, (Kluwer: Dordrecht), page 255.
7. Navarro, J.F. 1998. The Cosmological Significance of Disk Galaxy Rotation Curves. Unpublished Manuscript. Available from xxx.lanl.gov (astro-ph/9807084).
8. Siebert, A., and 34 co-authors, 2011. RAVE 3<sup>rd</sup> data release. VizieR Online Data Catalog. 2011yCat 3265, 0S.

**e. Presentations at conferences or institutions (since 1994)**

Institute for Advanced Study. Astrophysics Seminar. Princeton University. October 1994.

ESO/MPA Workshop on Galaxy Clusters. Invited Review. Max-Planck Institut f ur Astrophysik (MPA). Garching, Germany. December 1994.

XVII Texas Symposium on Relativistic Astrophysics and Cosmology. Invited Oral Contribution. Munich Hilton. Munich, Germany. December 1994.

MPA Workshop on ‘‘Uses of the GRAPE Hardware for Astrophysical Applications’’. Invited Oral Contribution. MPA-Garching, Germany. December 1994.

University of Arizona. Theoretical Astrophysics Colloquium. Steward Observatory and Physics Department. Tucson, AZ. January 1995.

New Mexico State University. Astronomy Colloquium. Department of Astronomy. Las Cruces, NM. May 1995.

ITP Program on “Cosmic Radiation Backgrounds and the Formation of Galaxies”. Invited Participant. Institute for Theoretical Physics at the University of California Santa Barbara. February-June 1995.

IAU Symposium 171, “New Light on Galaxy Evolution”. Invited Oral Contribution. Heidelberg, Germany. June 1995.

Durham University. Research Visit and Seminar. Physics Department. Durham, UK. June 1995. 11th IAP Astrophysics Meeting on “The Interplay between Massive Star Formation, the ISM and Galaxy Evolution”. Invited Review. Institut d’Astrophysique de Paris. July 1995.

GCD4: Ringberg Workshop on “History of the Milky Way and its Satellite System”. Invited Participant. Ringberg Castle, Bavaria, Germany. August 1995.

Max-Planck Institut für Astrophysik. Research Visit. Garching, Germany. July-September 1995.

Max-Planck Institut für Astronomie. Research Visit. Heidelberg, Germany. August 1995.

Osservatorio Astronomico di Torino. Astrophysics Colloquium. Pino Torinese, Torino, Italy. September 1995.

University of Arizona Public Evening Series. Invited Speaker. Steward Observatory, Tucson, AZ. October 1995.

University of Washington. Research Visit and Astrophysics Seminar. Seattle, WA. October 1995.

National Optical Astronomical Observatories. Lunchtime Seminar. Tucson, AZ. December 1995.

University of Arizona. NOAO/Steward Observatory Joint Colloquium. Tucson, AZ. January 1996.

University of Massachusetts. Astronomy Colloquium. Amherst, MA. February 1996.

University of Arizona. Theoretical Astrophysics Seminar. Physics Department and Department of Astronomy. Tucson, AZ. February 1996.

University of California, Berkeley. Astronomy Colloquium. Department of Astronomy. May 1996. Physics Department, Durham University. Research Visit. Durham, UK. June 1996.

Max-Planck Institut für Astrophysik. Research Visit. Garching, Germany. August-September 1996.

International Center for Theoretical Physics and Scuola Internazionale Superiore di Studi Avanzati. Research Visit. Trieste, Italy. September 1996.

International Conference on “Dark and Visible Matter in Galaxies”. Oral Contribution. Sesto Pusteria, Italy. July 1996.

III Regional Extragalactic Meeting. Invited Speaker. Universidad Nacional de Córdoba. Argentina. September 1996.

International Workshop on “Aspects of Dark Matter in Astro- and Particle Physics”. Invited Review. Heidelberg, Germany. September 1996.

University of California, San Diego. Astrophysics Colloquium. Department of Astronomy, UCSD. La Jolla, CA. November 1996.

Universidad Autónoma de México. Astronomy Colloquium. Ensenada, Baja California. November 1996.

University of California, Santa Cruz. Astrophysics Colloquium. Department of Astronomy, UCSC. Santa Cruz, CA. December 1996.

Canadian Institute for Theoretical Astrophysics. Astrophysics Colloquium. University of Toronto, Canada. December 1996.

Harvard-Smithsonian Center for Astrophysics. Theoretical Astrophysics Seminar. Cambridge, MA. December 1996.

Aspen Winter Astrophysics Workshop on “Observational Tests of Cosmological Models”. Invited Participant. Aspen, CO. January 1997.

Pennsylvania State University. Astrophysics Colloquium. Department of Astronomy. January 1997.

Canadian Institute for Advanced Research Gravity and Cosmology Conference. Invited Participant. The Banff Centre. Banff, Alberta, Canada. February 1997.

University of Virginia. Astrophysics Colloquium. Department of Astronomy. February 1997.  
Leiden University. Astrophysics Colloquium. Sterrewacht Leiden. March 1997.

Rutgers University. Astrophysics Seminar. Department of Physics. March 1997.

State University of New York At Stony Brook. Astrophysics Colloquium. Department of Earth and Space Sciences. March 1997.

FERMILAB. Astrophysics Seminar. Astrophysics Group. March 1997.

Physics Department, Durham University. Research Visit and Seminar. Durham, UK. March 1997

Lawrence Livermore National Laboratory. Astrophysics Colloquium. Livermore, CA. May 1997.

Conference on “Clusters of Galaxies at Different Redshifts”. Invited Talk. Ruidoso, NM. New Mexico State University. May 1997..

University of Puerto Rico. Astrophysics Colloquium. Río Piedras, PR. June 1997.

Workshop on "Smooth Particle Hydrodynamics: Models, Applications, and Enabling Technologies". Invited Participant. Institute for Advanced Study. Princeton, NJ. June 1997.

Santa Cruz Workshop on Galactic Halos. Invited Reviewer. University of California, Santa Cruz. August 1997.

IAU Symposium 186 on “Galaxy Interactions at High and Low Redshift”. Invited Reviewer. Kyoto, Japan. August 1997.

Workshop on “Evolution of Clusters of Galaxies”. Invited Reviewer. Universidad Católica de Chile. December 1997.

Physics Department, Durham University. Research Visit and Seminar. Durham, UK. January 1998.

Max-Planck Institut für Astrophysik. Research Visit and Seminar. Garching, Germany. February 1998.

Workshop on “Star Formation, the Interstellar Medium, and the Evolution of Galaxies”. Invited Participant. Aspen Center for Physics. Aspen CO, USA. June 1998.

IX International Astronomical Union Regional Meeting. November 9-13, 1998. Puebla, Mexico. Invited Reviewer.

ESO Very Large Telescope Opening Symposium. 1-5 March 1999. Antofagasta, Chile. Invited Reviewer.

University of California, Berkeley. February 1999. Astronomy Department Colloquium Speaker.

University of British Columbia. Department of Physics and Astronomy. March 1999. Colloquium Speaker.

Canadian Institute for Advanced Research. Banff, AB, May 1999. Cosmology and Gravitation Program Meeting. Invited Speaker.

Ringberg Workshop on Satellite Galaxies. June 1999. Max Planck Society Ringberg Castle, Bavaria, Germany. Invited Participant and Speaker.

Max Planck Institut für Astrophysik. June 1999. Garching bei München, Germany. Invited Seminar Speaker.

University of Victoria. Department of Physics and Astronomy. October 1999. Colloquium Speaker.

Workshop on Disk Galaxies. October 1999. Max Planck Institute fur Astronomie, Heidelberg, Germany. Invited Reviewer.

Canadian Institute for Advanced Research. Banff, AB, February 2000. Cosmology and Gravitation Program Meeting. Invited Speaker.

Galaxy Formation and Evolution ITP Workshop. March 2000. University of California Santa Barbara. Invited Participant.

Galaxy Formation and Evolution ITP Conference. March 2000. University of California Santa Barbara. Invited Reviewer.

Astrophysics Conference. April 2000. Centro de Estudios Cientificos del Sur. Valdivia, Chile. Invited Speaker.

Oort Symposium. April 2000. Leiden University. Leiden, The Netherlands. Invited Speaker.

The Formation and Transformation of Galaxies. Public Lecture. University of Victoria Division of Continuing Studies. Dunsmuir Lodge. April 2000.

American Physics Society Annual Meeting. May 19-20, 2000. Eugene, OR. Invited Speaker.

Galaxy Disks and Disk Galaxies. Vatican Observatory Conference. June 12-16, 2000. Rome, Italy. Invited Speaker.

XIX International Conference on Neutrino Physics and Astrophysics. June 16-21, Sudbury, Canada. Invited Speaker.

Dark Matter and Gravitational Lensing. Second Princeton-PUC Workshop on Astrophysics. San Pedro de Atacama, Chile. July 19-22, 2000. Invited Speaker (*declined*).

X IAG-USP Advanced School on Astrophysics. 2-6 September 2000. Angra dos Reis, Rio de Janeiro, Brazil. Invited Lecturer.

Observatorio Nacional, Universidad Nacional de Córdoba, Argentina. Research Visit and Astronomy Seminar. October 2000.

Physics Department, University of Durham, U.K. Research Visit and Astronomy Seminar. November 2000.

Steward Observatory, University of Arizona, UK. Research Visit and Astronomy Seminar. December 2000.

CIAR Gravitation and Cosmology Program Meeting. February 2001. Banff, AB. Invited Talk.

Oort Symposium on Galaxy Formation and Evolution. May 2001. Leiden Observatory, The Netherlands. Invited Participant.

Physics Department, University of Durham (UK). May 2001. Astronomy Seminar.

Canadian Astronomical Society Annual Meeting. Hamilton, ON. May 2001. Oral Contribution.

Yale Workshop on Galaxy and Halo Shapes. May 2001. Yale University. Invited Talk.

IAS-Rutgers Workshop on Dark Matter. May 2001. Institute for Advanced Study, Princeton, NJ, USA. Invited Talk.

SNOWMASS 2001. Snowmass, CO. July 2001. Invited Speaker (*declined*).

IAU Symposium 208. "Astrophysical Supercomputing using Particles". Tokyo, Japan. July 2001. Invited Reviewer.

Durham Conference "A New Era in Cosmology". September 2001. Durham, U.K. Invited Talk (*declined*).

Xth IAU Regional Meeting. Cordoba, Argentina. September 2001. Oral Contribution.

University of Illinois at Urbana-Champaign. October 2001. Astronomy Colloquium Speaker.

International Conference "Disks of Galaxies: Kinematics, Dynamics and Perturbations". Puebla, Mexico. November 2001. Invited Speaker and Panelist.

Cornell University. December 2001. Astronomy Department Colloquium Speaker.

New York University. December 2001. Physics and Astronomy Colloquium Speaker.

Steward Observatory, University of Arizona. February 2002. Astronomy Colloquium Speaker.

Department of Astronomy, University of Massachusetts. February 2002. Astronomy Colloquium Speaker.

International Conference "Galaxy Evolution: Theory and Observations". April 2002. Cozumel, Mexico. Invited Speaker.

CIAR Cosmology and Gravity Program Annual Meeting. April Point, Quadra Island, BC. June 2002. Invited Speaker.

Herzberg Institute for Astrophysics, Victoria, BC. April 2002. Astronomy Seminar.

Herzberg Institute for Astrophysics, Victoria, BC. August 2002. Pacific Northwest Cosmology Workshop. Oral Contribution.

Annual Meeting of the Argentine Astronomical Society. Buenos Aires, September 2002. Invited Review.

ESO Cosmology 2002 Workshop. Speaker and in charge of Conference Concluding Remarks. October 2002. ESO Santiago, Chile.

Louisiana State University, Baton Rouge, LA. Physics Department. November 2002. Colloquium Speaker.

Perimeter Institute. Waterloo, ON. December 2002. Colloquium Speaker (*postponed*).

Royal Society. London, UK. January 2003. Invited Speaker at Scientific Discussion Meeting on “Dark Matter”.

Annual Meeting of CIAR’s Gravity and Cosmology Program. Mt Tremblant, Quebec. Invited Speaker. March 2003.

Research Workshop on “Galaxy Formation”. Institute for Advanced Studies. The Hebrew University of Jerusalem, Israel. Invited Member. June 2003.

2<sup>nd</sup> Potsdam Thinkshop. “The Local Group as a Cosmological Training Sample”. Astrophysikalisches Institut Potsdam. Potsdam, Germany. Invited Reviewer. June 2003.

GCD-V “Galactic Chemodynamics Workshop V”. Invited Speaker. Melbourne, Australia. July 2003.

IAU Symposium 220 “Dark Matter in Galaxies”. Sydney, Australia. Invited Speaker. July 2003.

BIRS Workshop “Galaxy Formation: A Herculean Challenge”. Banff, AB, November 2003. Organizer and Speaker.

VIRGO Consortium Collaboration Meeting. Durham, UK. November 2003. Invited Speaker.

University of Chicago Department of Astronomy Colloquium Speaker. December 2003.

University of California San Diego. Department of Astronomy Colloquium Speaker. February 2004.

Canadian Institute for Advanced Research. Cosmology and Gravity Program Annual Meeting. Banff, AB, March 2004. Invited Participant and Speaker.

Massachusetts Institute of Technology. Astronomy Department. Cambridge, MA. March 2004. Colloquium Speaker.

“Penetrating Bars through Masks of Cosmic Dust” Conference, Pilanesberg Park, South Africa, June 2004. Invited Speaker.



Dartmouth College, Hanover, NH, USA. July 2004. Astronomy Seminar Speaker.

COSMO 2004. Toronto, ON. September 2004. Invited Reviewer.

Ringberg Meeting on Galaxy Mergers. Ringberg Castle, Bavaria, Germany. October 2004. Invited Reviewer (declined).

Joint Munich Astronomy Colloquium (ESO/MPA/Sternwarte) Speaker. Garching bei Muenchen. November 2004.

Institute d'Astrophysique de Paris. Paris, France. November 2004. Colloquium Speaker.

Kapteyn Institute, Groningen University, The Netherlands. November 2004. Colloquium Speaker.

II Chilean Advanced Summer School. Santiago, Chile, December 2004. Invited Lecturer.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. January 2005

Max-Planck Institute for Astronomy. Heidelberg, Germany. Seminar Speaker. February 2005.

Physics Department "Amedeo Avogadro". Turin, Italy. Colloquium Speaker. February 2005.

CIAR Cosmology and Gravity Program Annual Meeting. Mt Tremblant, Quebec. Invited Participant. March 2005.

Observatorio Astronómico. Universidad Nacional de Córdoba, Argentina. Colloquium Speaker. March 2005.

CIAR's "The Spirit of Discovery" Celebration. Invited Speaker. Montreal, Quebec. February 2005.

Canadian Astronomical Society Annual Meeting. Oral Contribution. Montreal, Quebec. May 2005.

Department of Astronomy, University of Nottingham, UK. Colloquium Speaker. May 2005.

Astrophysikalisches Institut Potsdam, Germany, Colloquium Speaker. May 2005.

International Center for Theoretical Physics, Trieste, Italy. Cosmology Workshop. Invited Talk and Seminar. June 2005.

Institute of Astronomy. Cambridge University, Cambridge, UK. Colloquium Speaker. June 2005.

Institute for Computational Cosmology and Department of Physics, University of Durham, UK. Colloquium Speaker. June 2005.

Institut d'Astrophysique de Paris. "Mass and Shapes of Dark Matter Halos" Colloquium. Paris, France, July 2005.

Nearly Normal Galaxies 2005 Conference. University of California at Santa Cruz. Invited Speaker. August 2005.

Department of Physics, Université de Montreal. Montreal, Quebec. Colloquium Speaker. September 2005.

Department of Astronomy, University of Toronto. Toronto, ON, Canada. Colloquium Speaker. November 2005.

Center for Particle Physics and Cosmology. New York University. New York, NY, USA. Seminar Speaker. December 2006.

CIAR Cosmology and Gravity Program Annual Meeting. Banff, AB. Invited Participant. February 2006.

Department of Astronomy, California Institute of Technology. Pasadena, CA. Colloquium Speaker. March 2006.

Ringberg Workshop on Dwarf Galaxies. Invited Speaker. Ringberg Castle, Bavaria, Germany. March 2006.

Department of Physics and Astronomy, University of British Columbia. Vancouver, BC, Canada. Colloquium Speaker. April 2006.

Department of Physics and Astronomy. Dartmouth College. Hanover, NH, USA. Colloquium Speaker. May 2006.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. June 2006.

Instituto Nacional de Astronomía, Óptica y Electrónica (INAOE), Tonanzintla, Mexico. International School on Galactic and Cosmological N-Body Simulations. Invited Lecturer. July 2006.

KITP Conference on Gravitational Lensing. UC Santa Barbara, October 2006. Invited Reviewer.

VII Mexican School on Gravitation and Mathematical Physics. Playa del Carmen, Mexico, November 2006. Invited Lecturer.

Lorentz Workshop “Dissecting the Milky Way”. Leiden University, The Netherlands. November 2006. Invited Speaker.

Institute for Computational Cosmology, University of Durham, UK. Astrophysics Seminar. December 2006.

“Astrophysical Probes of Dark Matter” Workshop. UC Irvine, Irvine, CA, March 2007. Invited Speaker (declined).

CIAR Cosmology and Gravity Program Annual Meeting. Whistler, BC, May 2007. Invited Participant and Speaker.

IAU Symposium 244 "Dark Galaxies and Lost Baryons", Cardiff, UK. July 2007. Invited Speaker (declined)

"Galaxy Growth in a Dark Universe" Conference. Heidelberg, Germany, July 2007. Invited Speaker (declined).

Observatorio Nacional. Universidad Nacional de Córdoba. Argentina. Seminar Speaker. May 2007.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. June 2007.

11<sup>th</sup> Paris Colloquium "Ecole Chalonge". Observatoire de Paris, France. Invited Speaker. August 2007.

Zurich Workshop on Computational Astrophysics. Zurich, Switzerland, September 2007. Invited Reviewer.

Vatican Conference on "Formation and Evolution of Galaxy Disks". Invited Speaker and Member of the SOC. Rome, October 2007.

Institute for Computational Cosmology, University of Durham, UK. Virgo Consortium meeting. Invited Participant and Speaker. December 2007.

Galactic Structure and the Structure of Galaxies Conference. Ensenada, BC, Mexico. Invited Speaker. March 2008.

Department of Astronomy. Boston University. Colloquium Speaker. April 2008.

"New Understanding of Galaxy Evolution". Workshop at the Institute for Advanced Study. Hebrew University of Jerusalem, Israel. Invited Participant and Speaker. June 2008.

Observatorio Astronómico. Universidad Nacional de Córdoba. Seminar Speaker. August 2008.

Astro-theory Visitor. UC Berkeley. Invited Colloquium Speaker. October 2008.

"Back to the Galaxy". Workshop and Conference. Kavli Institute for Theoretical Physics. UC Santa Barbara. Invited Participant and Speaker. October 2008.

"Galaxy Evolution: Emerging Insights and Future Challenges". Workshop at U.Texas at Austin. Invited Speaker, Conference Closing Speaker and SOC Member. November 2008.

"XX Canary Island Winter School". Instituto de Astrofísica de Canarias, Spain. Invited Lecturer. November 2008.

Instituto de Astrofísica de Canarias. Tenerife, Canary Islands, Spain. Colloquium Speaker. December 2008.

Lorentz Center, Leiden University, The Netherlands. Invited Visitor and Seminar Speaker. December 2008.

CIFAR Cosmology and Gravity Program Annual Meeting. Mt Tremblant, Quebec. February 2009. Invited Participant and Speaker.

Perimeter Institute. Waterloo, ON. Invited Visitor and Seminar Speaker. February 2009.

CASCA Annual Meeting. University of Toronto. Invited Speaker. May 2009.

Institute for Computational Cosmology. Durham University. Invited Speaker. June 2009.

Galaxy Masses Workshop. Queen's University. Invited Speaker. June 2009.

Observatorio Astronómico. Universidad Nacional de Córdoba, Argentina. Invited Visitor and Colloquium Speaker. August 2009.

Heidelberg Conference on “The Milky Way and the Local Group”. Invited Speaker. September 2009.

“Assembly, Gas Content and Star Formation History in Galaxies” Workshop. NRAO, Charlottesville, Virginia. Invited Speaker. September 2009.

Herzberg Institute for Astrophysics. Victoria, BC. Seminar Speaker. October 2009.

Astrophysics Institute Potsdam, Germany. Invited Visitor. October 2009.

Physics Department, Universidad Andrés Bello. Santiago, Chile. Invited Visitor and Colloquium Speaker. November 2009.

Physics Department. McGill University. Colloquium Speaker. November 2009.

Physics Department. Case Western Reserve University. Invited Visitor and Colloquium Speaker. December 2009.

Museum of Natural History, Cleveland, OH, USA. Frontiers of Astronomy Public Lecture. December 2009.

Virgo Consortium Meeting. Durham University. Invited Participant. December 2009.

CIFAR Cosmology and Gravity Program Annual Meeting. Invited Participant and Speaker. Lake Louise, AB. February 2010.

Institut d'Astrophysique de Paris. Colloquium Speaker. Paris, France. April 2010.

University of British Columbia. Physics and Astronomy Department Colloquium Speaker. Vancouver, BC. April 2010.

Universidad Nacional de Córdoba, Argentina. Physics Colloquium Speaker. Córdoba, Argentina. May 2010.

University of Toronto. CITA@25 Symposium. Invited Participant. Toronto, ON. May 2010.

CIfAR Next Big Question. Invited Panelist. Vancouver, BC. May 2010.

Durham University, UK. Virgo Consortium Meeting. Invited Participant. Durham, UK. May 2010.

Harvard University Sackler Conference on Theoretical Astrophysics. Invited Speaker. Cambridge, MA, USA. May 2010.

Max-Planck Institute for Astrophysics. Meeting of the Aquila Collaboration. Convenor. Garching, Germany. May 2010.

Harvard University Astronomy Department. Colloquium Speaker. Cambridge, MA, USA. September 2010.

University of Minnesota Astronomy Department. Colloquium Speaker. Minneapolis, MN, USA. September 2010.

Virgo Consortium Meeting. Invited Participant. Heidelberg Institute of Theoretical Studies. Heidelberg, Germany. September 2010.

Potsdam Conference on Galaxy Evolution. Invited Speaker. Potsdam, Germany. May 2010.

Milky Way Conference. Universidad Andrés Bello. Invited Speaker. Santiago, Chile. October 2010.

Max-Planck Institute for Astrophysics. Meeting of the Aquila Collaboration. Convenor. Garching, Germany. November 2010.

Virgo Consortium Meeting. Leiden University. Invited Participant. Leiden Observatory, The Netherlands. November 2010.

Edinburgh University Astronomy Department. Colloquium Speaker. Edinburgh, Scotland. December 2010.

CIfAR Cosmology and Gravity Program Annual Meeting. Invited Participant. Whistler, BC, Canada. April 2011.

“Assembling the Puzzle of the Milky Way” Conference. Invited Speaker. Le Grand Bornand, France. April 2011.

Institute for Computational Cosmology. Seminar Speaker. Durham, UK. April 2011.

Max-Planck Institute for Astrophysics. Seminar Speaker. Garching, Germany. May 2011.

Córdoba Astronomical Observatory, Argentina. Lecture Series on Galaxy Formation. August 2011.

“Galaxies in the Dark” Conference, Cafayate, Salta, Argentina. Conference Organizer and Speaker. August 2011.

University of Córdoba, Argentina. Colloquium Speaker. March 2012.

CIFAR Annual General Meeting, Cosmology and Gravity Program. Whistler, BC. Invited Speaker. April 2012.

University of Córdoba, Argentina. Seminar Speaker. August 2012.

COSMOCOMP Meeting. Invited Speaker. Trieste, Italy. September 2012.

Institute for Computational Cosmology. Durham University, UK. Colloquium Speaker. September 2012.

Universidad Autónoma de Madrid, Spain. Seminar Speaker. October 2012.

Instituto de Astrofísica de Andalucía, Granada, Spain. Seminar Speaker. October 2012.

Institut d’Estudis Espacials de Catalunya. Barcelona, Spain. Seminar Speaker. October 2012.

Massachusetts Institute of Technology, Cambridge, MA, USA. Seminar Speaker. November 2012.

University of Wisconsin, Madison, WI, USA. Colloquium Speaker. November 2012.

2013-01-08 "Cosmological Revolution", Café Scientifique, Canada, British Columbia, Victoria

2013-02-16 "The Baryonic Content of Dwarf Galaxy Haloes", CIFAR Cosmology and Gravity Program Annual Meeting, Canada, Alberta, Banff

2013-03-08 "Dwarf Galaxies as Cosmological Probes", UC Berkeley Astrophysics Seminar, United States, California, Berkeley

2013-04-19 "Dwarf Galaxies and Cosmology", Université Laval Physics Colloquium, Canada, Quebec, Quebec City

2013-05-07 "Dwarf Galaxies in CLUES Simulations", The CLUES Symposium, Spain, Madrid

2013-05-29 "Cosmology and Dwarf Galaxies", Dartmouth College Astrophysics Colloquium, United States, New Hampshire, Hanover

2013-06-10 "The Origin of the NFW Profile", Virgo Consortium Meeting, Germany, Garching

2013-06-24 "The Predicted Structure of Dark Matter Haloes", Max Planck Galaxies and Haloes Conference, Germany, Garching.

March 2014 "The Cosmological Significance of Dwarf Galaxies", University of Michigan Colloquium. Ann Arbor, MI.

May 2014. Invited speaker at the CIFAR Annual meeting of the Cosmology and Gravity Program, Quebec City, QC, Canada.

July 2014. Invited talk at the IAU Symposium 311. Oxford University, UK.

August 2014. Invited talk at the Potsdam Thinkshop on Dwarf Galaxies. Potsdam, Germany.

September 2014. Invited talk at the Annual Meeting of the Argentine Astronomical Society. Córdoba, Argentina.

October 2014. Invited talk at the Annual Symposium of the Ecole Normale Supérieure. Paris, France.

October 2014. Astronomy Colloquium at the Physics and Astronomy Department, Bologna University, Italy.

November 2014. Astronomy Colloquium at the Kapteyn Institute, Groningen University, The Netherlands.

November 2014. Astronomy Seminar Speaker at the ITC Harvard, Cambridge, MA, USA.

December 2014. ESO-Max Planck Joint Astronomy Colloquium. Garching, Germany.

February 2015. Talk at the KITP Conference "Milky Way and its Stars", Santa Barbara, CA, USA.

February 2015. Astronomy Colloquium at UC Riverside, California, USA.

March 2015. Physics Colloquium at Brown University, Providence, RI, USA.

April 2015. Astronomy Colloquium at Rutgers University, Piscataway, NJ, USA.

April 2015. Astronomy Colloquium at the University of Maryland, MD, USA.

April 2015. Blackboard Lunch Talk. KITP, UC Santa Barbara, USA

May 2015. Astronomy Colloquium. Royal Observatory Edinburgh, UK.

June 2015. Astronomy Seminar. MSSL, University College London, UK.

June 2015. Astronomy Colloquium. Aarhus University, Denmark.

July 2015. Talk at Virgo Consortium Meeting, Durham University, UK.

July 2015. Talk at the meeting “From observations to theory and back: 30 years of astrophysical research with Willy Benz”, Wengen, Switzerland.

## **7. SERVICE and PROFESSIONAL ACTIVITIES**

### **a. University and Faculty committees**

### **b. Departmental committees and responsibilities**

- 1998-99: Petrie Fellowship and Publicity/Web Committees
- 1999-00: Petrie Fellowship and Publicity/Web Committees
- 2000-03: Petrie Fellowship Committee
- 2002-03: Library Committee
- 2003-04: Departmental Strategic Plan Task Force Member, Library Committee, Petrie Fellowship
- 2004-05: Study Leave
- 2005-06: Library Committee, Petrie Fellowship
- 2006-07: Library Committee, Petrie Fellowship
- 2007-08: On Leave at the University of Massachusetts, Amherst.
- 2008-09: Library Committee, Petrie Fellowship, Undergraduate Award Committee.
- 2009-10: Library Committee, Petrie Fellowship, Undergraduate Award Committee.
- 2010-11: Graduate Curriculum, Petrie Fellowship, Undergraduate Award Committee, Faculty of Science Research Advisory Committee, Senate Award Committee.
- 2011-12: Graduate Curriculum, Petrie Fellowship, Undergraduate Award Committee, Faculty of Science Research Advisory Committee, Senate Award Committee.
- 2012-13: Graduate Curriculum, Petrie Fellowship, Undergraduate Award Committee, Faculty of Science Research Advisory Committee, Physics and Astronomy Chair Search Committee.
- 2013-14: Petrie Fellowship, Undergraduate Award Committee.
- 2015-16: Graduate Award Committee, Faculty of Science Research Advisory Committee, Astronomy Faculty Search Committee.

### **c. Membership and service on international, national and provincial bodies and societies**

- Member of the governing Council of the Canadian Institute for Theoretical Astrophysics (CITA). 2014-2016.
- Member of the Selection Committee for the Gruber Prize in Cosmology (2008-2013)
- Member of the governing Council of the Canadian Institute for Theoretical Astrophysics (CITA). 2006-2008.
- 2006-2008 - Member of the Natural Sciences and Engineering Research Council’s (NSERC) Grant Selection Committee (GSC 17, Astronomy and Space Sciences).
- 2004- Executive Board Member: Radial Velocity Experiment (RAVE) Consortium.
- Executive Committee Member. CfAR Cosmology and Gravity Program. 2002-2007.
- Member of the governing Council of the Canadian Institute for Theoretical Astrophysics (CITA). 2001-2004.
- 1998-2001 – Member of the Natural Sciences and Engineering Research Council’s (NSERC) Scholarships and Fellowships Committee.
- International Astronomical Union (Member)



- Canadian Institute for Theoretical Astrophysics, Inc. (Member)
- Canadian Astronomical Society (Member)
- Canadian Association of Physicists (Member)
- American Astronomical Society (Full Member)

**d. Conference organisational committees**

- August 2000 - Organizer of VC3: the Victoria Computational Cosmology Conference.
- June 2002 - Organizer of the Annual Meeting of the Cosmology and Gravity Program of the Canadian Institute for Advanced Research.
- November 2003 – Organizer of BIRS Workshop on “Galaxy Formation: A Herculean Challenge”. Banff, AB.
- July 2007 – Vatican Symposium on “Disk Galaxies” Scientific Organizing Committee.
- December 2010 – Tracing the Ancestry of Galaxies. IAU Symposium 277. Ouagadougou, Burkina Faso. Scientific Organizing Committee.
- May 2011 – “Stellar Lives” Symposium. Victoria, BC. Member of the Organizing Committee.
- August 2011 – Galaxies in the Dark. Cafayate, Argentina. Head of the Scientific Organizing Committee.
- February-April 2011 – “Faint Galaxies and Faint Dwarfs” KITP Workshop. Member of the Organizing Committee
- February 2011 – “First Light and Faintest Dwarfs” KITP Conference. Head of the Organizing Committee.
- May 2013 – IAU Symposium 269 “Setting the Scene for GAIA and LAMOST”. Lijang, China. Member of the Scientific Organizing Committee.
- June 2013 – MPA/MPE/ESO/EC Joint Conference “The Physical Link Between Galaxies and Their Halos”. Garching, Germany. Member of the Scientific Organizing Committee.

**e. Grant committees**

- National Science Foundation. Accretion, Gas Dynamics and MHD (Theory) Panel. June 2002.
- National Science Foundation. Accretion, Extragalactic Astronomy (Theory) Panel. February 2003.
- National Science Foundation. Extragalactic Astronomy Panel (Theory). February 2004.
- NSERC. Grant Selection Committee 17. 2005-2008.

**f. Grant proposals reviewed**

Numerous grant proposals reviewed for the following agencies:

- FONDECYT (the Chilean National Science Foundation)
- PPARC (the UK Particle Physics and Astronomy Research Council)
- ISF (the Israeli Science Foundation)
- BSF (the US/Israel Binational Science Foundation)
- NYU (New York University)
- The Leverhulme Trust (United Kingdom)
- NSF (The US National Science Foundation)
- NOW (the Netherlands Organization for Scientific Research)

- INAF (Istituto Nazionale d'Astrofisica, Italy)
- NSERC (Natural Sciences and Engineering Research Council, Canada)
- The Swiss National Science Foundation
- DFG: the German Research Foundation (Deutsche Forschungsgemeinschaft)

Numerous proposals for telescope time reviewed for:

- CFHT (Canada-France-Hawaii Telescope Corporation)
- PPARC (the UK Particle Physics and Astronomy Research Council)
- STScI (the Space Telescope Science Institute, Cycles 10 and 13)
- Gemini Telescope Corporation

### **g. Visiting scientists hosted**

Dr. Mario Abadi, University of Cordoba, Argentina. December 1999 and October 2001.

Prof. Carlos Frenk. University of Durham. July 1999.

Prof. Simon White. Max-Planck Institute for Astrophysics. 1999 Lansdowne Lecturer

Dr. Max Pettini. Cambridge University. June 2000.

Prof. Matthias Steinmetz. University of Arizona. August 1999.

Dr. Andres Meza. Universidad Catolica de Chile. Nov 2000-Sept 2003.

Prof. Richard Ellis. Caltech. October 2001. Lansdowne Lecturer.

Prof. Simon White. Max-Planck Institute for Astrophysics. August 2002

Prof. Guinevere Kauffmann. Max-Planck Institute for Astrophysics. August 2002.

Prof. Avishai Dekel. The Hebrew University of Jerusalem. August 2004.

Prof. Joel Primack. University of California Santa Cruz. September 2004.

Prof. Heather Morrison. Case Western Reserve University. February 2005.

Prof. Mario Abadi. Universidad de Córdoba, Argentina. October 2005 and February 2006.

Dr. Christopher Pfrommer, CITA, U. of Toronto. March 2006.

Dr. Oleg Gnedin. Ohio State University, October 2006.

Dr. Stelios Kazantzidis. Stanford University. May 2007.

Prof. Rob Thacker. St. Mary's University. December 2008.

Dr. Mario Abadi. Universidad Nacional de Córdoba, Argentina. February 2009.

Dr. Elena Rossi. Hebrew University of Jerusalem. March 2009.

Dr. Mario Abadi. Córdoba University. February 2010.

Dr. Mario Abadi. Córdoba University. January 2011.

Dr. Gabriela Gonzáles. Louisiana State University. February 2011.

Dr. Andrew Cumming. McGill University. March 2011.

Dr. Anna Frebel. Harvard-Smithsonian Center for Astrophysics. June 2011.

Dr. Sarah Loebman. University of Washington. September 2011.

Dr. Hugo Martel. Université Laval. September 2011.

Dr. Aaron Ludlow. Bonn University. October 2011.

Dr. Elena D'Onghia. Harvard-Smithsonian Center for Astrophysics. November 2011.

Dr. Laura Sales. Max-Planck Institute for Astrophysics. November 2011.

Dr. Daniel Thomas. Imperial College London, UK. November 2011

Dr. Mario Abadi. Universidad de Córdoba, Argentina. November 2011.

Dr. Andrés Meza. Universidad Andrés Bello. Santiago, Chile. November 2011.

Dr. Elena D'Onghia. Harvard-Smithsonian Center for Astrophysics. January 2012.

Dr. Martin Bureau. Oxford University. February 2012.  
 Dr. Tommaso Treu. University of California Santa Barbara. March 2012.  
 Dr. Giuseppina Battaglia. European Southern Observatory/University of Bologna. June 2012.  
 Dr. Thomas Yue. University of Nottingham, UK. January 2013.  
 Dr. Michelle Collins. Max-Planck Institute for Astronomy, Heidelberg, Germany. Sept 2013.  
 Prof. Riccardo Giovanelli. Cornell University, USA. October 2013.  
 Prof. George Lake. University of Zurich, Switzerland. November 2013.  
 Dr. Elena Gavagnin. University of Zurich, Switzerland. November 2013.  
 Dr. Arianna di Cintio. Universidad Autónoma de Madrid, Spain. November 2013-February 2014.  
 Dr. Nicola Amorisco. DARK Institute, Copenhagen, Denmark. December 2013.  
 Dr. Robyn Sanderson. Groningen University, The Netherlands. December 2013.  
 Dr. Elena D’Onghia. University of Wisconsin, USA. January 2014  
 Dr. Matthias Steinmetz. AIP Potsdam, Germany. March 2014  
 Mr. Pim van Oirschot. Groningen University, The Netherlands. March 2014.  
 Dr. Robert Braun. Jodrell Bank Observatory, UK. April 2014  
 Dr. Jorge Peñarrubia. Royal Observatory of Edinburgh, UK. April 2014.  
 Dr. Carlos Vera-Ciro. University of Wisconsin, Madison, WI, USA. April 2014.  
 Dr. Doron Lemze. Johns Hopkins University, Baltimore, MD, USA. May 2014.  
 Dr. Geraint Lewis. The University of Sydney. Sydney, Australia. June 2014.  
 RAVE Consortium Meeting. August 2015.

#### **h. Editorships**

#### **i. Reviews for journals, book reviews, published commentaries**

Referee for the following journals and publications:

- The Astrophysical Journal (Main Journal and Letters)
- The Astronomical Journal
- Monthly Notices of the Royal Astronomical Society
- Astronomy and Astrophysics
- Nature
- Science
- Publications of the Astronomical Society of Japan
- Publications of the Astronomical Society of the Pacific
- Revista Mexicana de Astronomía y Astrofísica.
- Physical Review Letters

#### **j. Other professional activities**

Fall 1996 – Spring 1997: Organizer of the Joint Steward/NOAO Colloquium Series.

April 1997: External Examiner, Thesis Tribunal for María Angeles Gómez-Flechoso. Universidad Autónoma de Madrid. Departamento de Física Teórica.

Various public lectures in the Victoria area for the University of Victoria Speakers Bureau.