

CURRICULUM VITÆ

Christopher Nicholas Andrew Willmer

Present Affiliation

UCO/Lick Observatory
1156 High Street
Santa Cruz, CA, 95064
(831) 459-2277
cnaw@ucolick.org
<http://www.ucolick.org/~cnaw/>

Educational Background

Ph.D.: CNPq/Observatório Nacional, Rio de Janeiro, Brazil (1990)
Thesis: “The Statistical Properties of Systems of Galaxies”, advisor Luiz N. da Costa.

M.Sc.: CNPq/Observatório Nacional, Rio de Janeiro, Brazil (1986)
Thesis: “The Hydra-Centaurus Supercluster”, advisor Luiz N. da Costa.

B.Sc.: Universidade Federal do Rio de Janeiro, Brazil (1980)
Thesis: “A Preliminary Colour-Magnitude Diagram for the Small Magellanic Cloud Cluster L113 and its Surrounding Field”, advisor William E. Kunkel.

Professional Experience

Postdoctoral Researcher: UCO/Lick Observatory, UCSC, 1998-present, (research advisors: Profs. David C. Koo, Sandra M. Faber and Raja GuhaThakurta).

- *Created an interactive database of distant galaxy observations.*
- *Studied the evolution of galaxies using the Galaxy Luminosity Function.*
- *Mentored undergraduate students.*
- *Participated in community outreach activities.*

Associated Researcher: CNPq/Observatório Nacional, 1991-1998, (research advisors: Drs. Luiz N. da Costa and Paulo S. Pellegrini).

- *Made statistical analyses of nearby galaxy redshift surveys, ranging from the statistics of large scale structures, to the properties of poor clusters of galaxies. Characterized systematic properties of different luminosity function estimators.*
- *Maintained database of nearby galaxy surveys and managed the reduction and integration into database of galaxy spectral data.*
- *Supervised undergraduate students.*

Visiting Astronomer: European Southern Observatory, 1996-1997, (sponsor: Dr. Luiz N. da Costa).

- *Carried out the two-point correlation function analysis of the Southern Sky Redshift Survey, which showed that the correlation length depends on galaxy morphology, luminosity and color.*
- *Organized database for the Redshift-Distance Survey of Early-type Galaxies.*

Postdoctoral Researcher: Institut d’Astrophysique de Paris, 1994-1995, (research advisor: Dr. Valerie de Lapparent).

- *Analysed two medium-deep surveys of galaxies.*

Postdoctoral Researcher: UCO/Lick Observatory, UCSC. 1993, (research advisors: Profs. David C. Koo and Garth D. Illingworth).

- *Reduced multi-slit observations of faint galaxies.*

Research Fellow: UCO/Lick Observatory, UCSC, 1991-1993, (research advisor: Prof. David C. Koo).

- *Led redshift survey of medium-deep galaxies at the North Galactic Pole using multi-fiber spectroscopy which showed that walls of galaxies are common events.*

Assistant Researcher: CNPq/Observatório Nacional, 1989-1991, (research advisor: Dr. Luiz N. da Costa).

- *Investigated clustering properties of galaxies of the Southern Sky Redshift Survey.*
- *Maintained database of nearby galaxy data.*

Visiting Astronomer: Osservatorio Astronomico di Bologna, 1990, (sponsor: Dr. Paola Focardi).

- *Analysed properties of nearby poor clusters of galaxies.*

Research Assistant: CNPq/Observatório Nacional, 1986-1989, (research advisor: Dr. Luiz N. da Costa).

- *Scientific analyses of the redshift surveys of galaxies in the Hydra-Centaurus region.*
- *Maintained database of nearby galaxy data.*

Assistant for Data Reduction: CNPq/Observatório Nacional, 1984-1986, (research advisor: Dr. Luiz N. da Costa).

- *Coordinated acquisition of galaxy spectral data.*
- *Reduced galaxy spectra.*
- *Created and maintained database of nearby galaxy data.*

Awards and Grants

Research Grants - CNPq (Brazil) - 1997-1998, 1995-1997
ESO Visitor Programme - 1996
Post-Doctoral Fellowship - CNRS (France) - 1994-1995
Post-Doctoral Fellowship - CNPq (Brazil) - 1991-1993
Visiting Researcher - CNR (Italy) - Fall 1990
Travel Grant - FAPERJ (Brazil) - 1994, 1990
Travel Grants - CNPq (Brazil) - 1996, 1990, 1989, 1988, 1987
Travel Grant - CAPES (Brazil) - 1988
Graduate Scholarship (M.Sc.) - CNPq (Brazil) - 1981-1983
Undergraduate Studentship - CNPq (Brazil) - 1980

Research Interests

Observational properties of the large scale structure of the Universe.
Properties of poor clusters of galaxies.
Galaxy formation and evolution.

Teaching Experience

Advising B.Sc. student Jennifer Holt, UCSC, (2003-2004).
Supervised Physics Major Susmita Datta on research project, UCSC (2002)
Substitute lecturer for Course on Extragalactic Astronomy, UCSC (2001, 1992).
Advised the B.Sc. Thesis of Sandro O. Mendes, UFRJ (Brazil) (1994-1998).
Advised the B.Sc. student Sandra M. Nogueira, UERJ (Brazil) (1993-1997).
Instructor - Graduate Course on Extragalactic Astronomy - CNPq/Observatório Nacional (1997)

Professional Memberships

Sociedade Astronômica Brasileira
International Astronomical Union

Computer Experience

Operating Systems: UNIX, Linux, Windows, XP, MacOS
Programming Languages: FORTRAN, Perl
Experience with IRAF in the reduction of spectroscopic, photometric and astrometric data; IDL.

Languages

English (native speaker)
Portuguese (native speaker)
Spanish (fluent speaker, read, write)
French (fluent speaker, read, write)
Italian (fluent speaker, read)

Citizenship

Citizen of the USA

Other Activities

Member of the Brazilian Committee for Instrumentation of the Southern Astrophysical Research Telescope (SOAR), 1997-1998.
Co-Investigator - The Ages of Very red Spheroids, Bulges and Associated Disks at Redshifts $z \sim 0.8$ (HST Archival Proposal, 2000)
Principal Investigator - Redshift Survey of Three Clusters of Galaxies in the Hydra-Centaurus Region - CASLEO 2.15m, Argentina (1994), LNA 1.60m, Brazil (1995, 1996)
Principal Investigator - Medium-Deep Mini-Slice Survey at the North Galactic Pole - KPNO 4m (1992, 1993)
Observational experience: Multi-slit (DEIMOS, LRIS), Echelle (ESI) spectroscopy at W.M. Keck Observatory; Multi-fiber spectroscopy at Cerro Tololo 4m (ARGUS) and Kitt Peak 4m (HYDRA); Integral Field Unit spectroscopy at Gemini-N and UKIRT (Near Infrared); single slit spectroscopy at Lick 3m (optical and NIR), CASLEO 2.15m (Argentina), South African Astronomical Observatory 1.9m, LNA 1.60m (Brazil), ESO 1.52m (Chile); photometry ESO 1.54m (Chile), Fred Lawrence Whipple Observatory 40in (Mount Hopkins, AZ), Lick Nickel Telescope 40 in.

Publications

60. 2005 “The DEEP Groth Strip Survey. I. The Sample” N. P. Vogt, D. C. Koo, A. C. Phillips, K. Wu, S. M. Faber, **C. N. A. Willmer**, L. Simard, B. J. Weiner, G. D. Illingworth, K. Gebhardt, C. Gronwall, R. Gúzman, M. Im, V. Sarajedini, E. J. Groth, J. Rhodes, R. Brunner, A. Connolly, A. Szalay, R. Kron, R. Blandford, ApJ, in press, astro-ph/0503378
59. 2004 “Effects of the Environment on the Properties of Seyfert Galaxies” M. A. G. Maia, **C. N. A. Willmer**, B. M. Rossetto, R. S. Machado. in Proceedings IAU Symposium 222 “The interplay among Black Holes, Stars and ISM in Galactic Nuclei”, eds. T. Storchi-Bergamini, L. C. Ho & H. R. Schmitt, p. 435
58. 2004 “The DEEP2 Galaxy Redshift Survey: First results on galaxy groups” B. F. Gerke, J. A. Newman, M. Davis, C. Marinoni, R. Yan, A. Coil, C. Conroy, M. C. Cooper, S. M. Faber, D. P. Finkbeiner, P. Guhathakurta, N. Kaiser, D. C. Koo, A. C. Phillips, B. J. Weiner, **C. N. A. Willmer**, ApJ, submitted, astro-ph/0410721
57. 2004 “The DEEP Groth Strip Galaxy Redshift Survey III. Redshift Catalog and Properties of Galaxies” B. J. Weiner, A. C. Phillips, S. M. Faber, **C. N. A. Willmer**, N. P. Vogt, L. Simard, K. Gebhardt, M. Im, D. C. Koo, V. L. Sarajedini, K. L. Wu, D. A. Forbes, C. Gronwall, E. J. Groth, G. D. Illingworth, R. G. Kron, ApJ, accepted, astro-ph/0411128
56. 2004 “The DEEP Groth Strip Survey VIII: The Evolution of Luminous Spheroids” D. C. Koo, L. Simard, **C. N. A. Willmer**, K. Gebhardt, R. J. Bouwens, G. Kauffmann, T. Crosby, S. M. Faber, J. Harker, V. L. Sarajedini, N. P. Vogt, B. J. Weiner, A. C. Phillips, M. Im, & K. L. Wu, ApJS, accepted, astro-ph/0412004
55. 2004 “The DEEP2 Galaxy Redshift Survey. Evolution of Close Galaxy Pairs and Major Mergers to $z \sim 1.2$ ” L. Lin, D. C. Koo, **C. N. A. Willmer**, R. Yan, D. Patton, & DEEP Team, ApJ Letters, accepted
54. 2004 “The Aquarius Supercluster II. Spectroscopic and Photometric Data” C. A. Caretta, M. A. G. Maia, & **C. N. A. Willmer**, AJ, accepted
53. 2004 “Keck Adaptive Optics Imaging of $0.5 < z < 1$ Field Galaxies from the Hubble Space Telescope Archive” E. Steinbring, A. J. Metevier, S. A. Norton, L. M. Raschke, D. C. Koo, S. M. Faber, **C. N. A. Willmer**, J. E. Larkin, & T. M. Glassman. ApJS, 155, 15 astro-ph/0407242
52. 2004 “The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies in Early Data” A. L. Coil, M. Davis, D. S. Magwick, J. A. Newman, C. J. Conselice, M. Cooper, R. S. Ellis, S. M. Faber, D. P. Kinbeiner, P. Guhathakurta, N. Kaiser, D. C. Koo, A. C. Phillips, C. C. Steidel, B. J. Weiner, **C. N. A. Willmer**, R. Yan, ApJ, 609, 525
51. 2004 “The Team Keck Treasury Redshift Survey of the GOODS-North Field” G. D. Wirth, **C. N. A. Willmer**, P. Amico, F. H. Chaffee, R. B. Goodrich, S. Kwok, J. E. Lyke, J. A. Mader, H. D. Tran., A. J. Barger, L. L. Cowie, P. Capak, M. C. Cooper, A. Conrad, M. Davis, S. M. Faber, E. M. Hu, D. C. Koo, D. Le Mignant, J. A. Newman, A. Songaila, AJ, 127, 3121
50. 2003 “The DEEP Groth Strip Survey VII: The Metallicity of Field Galaxies at $0.26 \leq z \leq 0.82$ ” H. A. Kobulnicky, **C. N. A. Willmer**, B. J. Weiner, D. C. Koo, A. C. Phillips, S. M. Faber, V. L. Sarajedini, L. Simard, and N. P. Vogt, 2003, ApJ, 599, 1006; *erratum*, 2004, ApJ, 610, 1234
49. 2003 “The DEEP2 Galaxy Redshift Survey: Spectral Classification of Galaxies at $z \sim 1$ ” D. S. Magwick, A. L. Coil, C. J. Conselice, M. C. Cooper, M. Davis, R. S. Ellis, S. M. Faber, D. P. Finkbeiner,

- B. Gerke, P. Guhathakurta, N. Kaiser, D. C. Koo, J. A. Newman, A. C. Phillips, C. C. Steidel, B. J. Weiner, **C. N. A. Willmer**, & R. Yan, 2003, *ApJ*, 599, 997
48. 2003 “The DEEP Groth Strip Survey IX: Evolution of the Fundamental Plane of Field Galaxies” K. Gebhardt, S. M. Faber, D. C. Koo, M. Im, L. Simard, G. D. Illingworth, A. C. Phillips, V. L. Sarajedini, N. P. Vogt, & **C. N. A. Willmer**, 2003, *ApJ*, 597, 239-262
47. 2003 “Redshift-Distance Survey of Early-Type Galaxies: Spectroscopic Data”, G. Wegner, M. Bernardi, **C. N. A. Willmer**, L. N. da Costa, M. V. Alonso, P. S. Pellegrini, M. A. G. Maia, O. L. Chaves, C. Rit e, 2003, *AJ*, 126, 2268-2280.
46. 2003 “The Seyfert Population in the Local Universe”, M. A. G. Maia, R. S. Machado and **C. N. A. Willmer**, 2003, *AJ*, 126, 1750-1762.
45. 2003 “Redshift-Distance Survey of Early-Type Galaxies: Circular Aperture Photometry”, M. V. Alonso, M. Bernardi, L. N. da Costa, G. Wegner, **C. N. A. Willmer**, P. S. Pellegrini, & M. A. G. Maia, 2003, *AJ* 125, 2307-2324.
44. 2003 “A Multiwavelength Approach to the SFR Estimation in Galaxies at Intermediate Redshift” N. Cardiel, D. Elbaz, R. P. Schiavon, **C. N. A. Willmer**, D. C. Koo, A. C. Phillips, & J. Gallego, 2003, *ApJ*, 584, 76-99.
43. 2002 “The DEEP Groth Strip Survey. II. Hubble Space Telescope Structural Parameters of Galaxies in the Groth Strip” L. Simard, **C. N. A. Willmer**, N. P. Vogt, V. L. Sarajedini, A. C. Phillips, B. J. Weiner, D. C. Koo, M. Im, G. D. Illingworth, & S. M. Faber. 2002, *ApJS*, 142, 1-33
42. 2002 “Redshift-Distance Survey of Early-type Galaxies.I. The ENEARc: Cluster Sample” M. Bernardi, M.V. Alonso, L. N. da Costa, **C. N. A. Willmer**, G. Wegner, P. S. Pellegrini, C. Rit e, & M. A. G. Maia, 2002, *AJ*, 123, 2990-3017
41. 2002 “Redshift-Distance Survey of Early-type Galaxies. II. The $D_n-\sigma$ Relation” M. Bernardi, M.V. Alonso, L. N. da Costa, **C. N. A. Willmer**, G. Wegner, P. S. Pellegrini, C. Rit e, & M. A. G. Maia, 2002, *AJ*, 123, 2159-2182.
40. 2002 “The DEEP Groth Strip Survey X: Number Density and Luminosity Function of Field E/S0 Galaxies at $z \leq 1$ ” M. Im, L. Simard, S. M. Faber, D. C. Koo, K. Gebhardt, **C. N. A. Willmer**, A. C. Phillips, G. Illingworth, N. P. Vogt, & V. L. Sarajedini, 2002, *ApJ*, 571, 136-171
39. 2002 “The Aquarius Superclusters I. Identification of Clusters and Superclusters” C. A. Caretta, M. A. G. Maia, W. Kawasaki, & **C. N. A. Willmer**, *AJ*, 2002, 123, 1200-1215
38. 2001 “ $Mg_2-\sigma$ in Early-Type Galaxies and Spiral Bulges” C. Chiappini, P.S. Pellegrini, C. Rit e, M.A.G. Maia, R. Ogando, B. Ramos, R.P. Schiavon, **C. N. A. Willmer**, L. da Costa, M. Bernardi, M.V. Alonso, & G. Wegner, in **Chemical Enrichment of Intracluster and Intergalactic Medium**, eds. Francesca Matteucci and Roberto Fusco-Fermiano, ASP Conf. Ser. in press, astro-ph/0109139
37. 2001 “Large-Scale Power Spectrum and Structures From the ENEAR galaxy Peculiar Velocity Catalog” S. Zaroubi, M. Bernardi, L.N. da Costa, Y. Hoffman, M. V. Alonso, G. Wegner, **C. N. A. Willmer**, P.S. Pellegrini, & M. A. G. Maia, 2001, *MNRAS*, 326, 375-386.
36. 2001 “Are There Blue, Massive E/S0s at $z < 1$? Kinematics of Blue Spheroidal Galaxy Candidates” M. Im, S. M. Faber, K. Gebhardt, D. C. Koo, A. C. Phillips, R. P. Schiavon, L. Simard & **C. N. A. Willmer**, 2001, *AJ*, 122, 750-763

35. 2001 “Comparison of the ENEAR Peculiar Velocities with the PSCz Gravity Field” A. Nusser, L.N. da Costa, E.Branchini, M. Bernardi, M. V. Alonso, G. Wegner, **C. N. A. Willmer**, & P. S. Pellegrini, 2001, MNRAS, 320, L21-L24.
34. 2000 “ENEAR Redshift-Distance Survey: Cosmological Constraints” S. Borgani, M. Bernardi, L.N. da Costa, G. Wegner, M.V. Alonso, **C. N. A. Willmer**, P.S. Pellegrini & M.A.G. Maia, 2000, ApJL, 537, L1-L4.
33. 2000 “Redshift-Distance Survey of Early-type Galaxies: IV. Dipole of the Velocity Field” L. N. da Costa, M. Bernardi, M. V. Alonso, G. Wegner, **C. N. A. Willmer**, P. S. Pellegrini, M. A. G. Maia, & S. Zaroubi, 2000, ApJL, 537, L81-L84.
32. 2000 “Redshift-Distance Survey of Early-type Galaxies: I. Sample Selection, Properties and Completeness”. L. N. da Costa, M. Bernardi, M. V. Alonso, G. Wegner, **C. N. A. Willmer**, P. S. Pellegrini, C. Rit e, & M. A. G. Maia. 2000, AJ, 120, 95-109.
31. 2000 “A Quantitative Evaluation of the Galaxy Component of COSMOS and APM Catalogs”. C.A. Caretta, M.A.G. Maia & **C. N. A. Willmer**. 2000, AJ, 119, 524-535.
30. 1999 “The Nearby Early-type Galaxies Survey (ENEAR): Project description and Some Preliminary Results” G. Wegner, L.N. da Costa, M. V. Alonso, M. Bernardi, **C. N. A. Willmer**, P. S. Pellegrini, C. Rite, M. Maia, 1999, **Proceedings of the Cosmic Flows Workshop** eds. S. Courteau, M. Strauss, & J. Willick, astro-ph/9908354
29. 1999 “Two Galaxy Clusters: A3565 and A3560”. **C. N. A. Willmer**, M.A.G. Maia, S.O. Mendes, M.V. Alonso, L.A. Rios, O.L. Chaves, & D. F. de Mello. 1999, AJ, 118, 1131-1145.
28. 1998 “Cluster versus Field Elliptical Galaxies and Clues on Their Formation” M. Bernardi, A. Renzini, L. N. da Costa, G. Wegner, M. V. Alonso, P. S. Pellegrini, C. Rite, & **C. N. A. Willmer**, 1998, ApJ, 508, L143-L146.
27. 1998 “The Galaxy Luminosity Function at $z \leq 0.05$: Dependence on Morphology”. R. O. Marzke, L. N. da Costa, P. S. Pellegrini, **C. N. A. Willmer**, & M. J. Geller, 1998, ApJ, 503, 617-631.
26. 1998 “The Southern Sky Redshift Survey”. L. N. da Costa, **C. N. A. Willmer**, P. S. Pellegrini, O. L. Chaves, C. Rit e, M. A. G. Maia, M. J. Geller, D. W. Latham, M. J. Kurtz, J. P. Huchra, M. Ramella, A. P. Fairall, C. Smith, & S. L ipari. AJ, 1998, 116, 1-7.
25. 1998 “Southern Sky Redshift Survey: Clustering of Local Galaxies”. **C. N. A. Willmer**, L. N. da Costa, & P. S. Pellegrini, AJ, 115, 869-884.
24. 1998 “Study of a Slice at +9 degrees to + 15 degrees of Declination. I Neutral Hydrogen Content of Galaxies in Loose Groups ” M. A. G. Maia, **C. N. A. Willmer**, & L. N. da Costa, AJ, 115, 49-54.
23. 1997 “Steps Toward Determination of the Size and Structure of the Broad-line Region in Active Galactic Nuclei. X. Variability of Fairall 9 from Optical Data”. M. Santos-LLeo, E. Chatzichristou, C. Mendes de Oliveira, C. Winge, D. Alloin, B. M. Peterson, P. M. Rodr iguez-Pascual, G. M. Stirpe, T. Beers, A. Bragaglia, J.-F. Claeskens, M. Federspiel, E. Giannuzzo, J. Gregorio-Hetem, G. Mathys, I. Salamanca, P. Stein, B. Stenholm, R. Wilhelm, C. Zanin, P. Albrecht, J. Calder on, C. A. Caretta, G. Carranza, R. D. D. da Costa, R. Diaz, M. Dietrich, H. Dottori, F. Elizalde, G. Goldes, K. K. Ghosh, M. A. G. Maia, S. Paolantonio, I. Rodrigues de Oliveira Filho, A. Rodriguez-Ardila, H. R. Schmitt, S. Soundararajaperumal, R. E. de Souza, **C. N. A. Willmer**, & W. Zheng, ApJS, 112, 271-283.
22. 1997 “Estimating Galaxy Luminosity Functions”. **C. N. A. Willmer**, AJ, 114, 898-912.

21. 1996 “A Medium Deep Redshift Survey of a Mini-Slice at the North Galactic Pole II: The Data ” **C. N. A. Willmer**, D.C. Koo, N. Ellman, A.S. Szalay & M.J. Kurtz, ApJS, 104, 199-215, erratum ApJS 107, 823-827.
20. 1996 “New Southern Galaxies with Active Nuclei. Part II”. M. A. G. Maia, J. A. Suzuki, L. N. da Costa, **C.N.A., Willmer**, & C. Rit e, A&AS, 117, 487-496.
19. 1995 “The Hydra–Centaurus Region and the Nearby Universe”. **C. N. A. Willmer**, L.N. da Costa, P.S. Pellegrini, A. P. Fairall, D. W. Latham & W. Freudling, AJ, 109, 61-72.
18. 1994 “A Medium Deep Redshift Survey of a Mini-Slice at the North Galactic Pole” **C. N. A. Willmer**, D.C. Koo, A.S. Szalay & M.J. Kurtz, ApJ, 437, 560-563.
17. 1994 “A Complete Southern Sky Redshift Survey”, L.N. da Costa, M.J. Geller, P.S. Pellegrini, D.W. Latham, A.P. Fairall, R.O.,Marzke, **C. N. A. Willmer**, J.P. Huchra, J.H. Calderon, M. Ramella, & M.J. Kurtz, ApJ, 424, L1-L4.
16. 1993 “Spectroscopic and Photometric Observations of SN1987A - VII. Days 793 to 1204”. J.A.R. Caldwell, J.W. Menzies, R.M. Banfield, R.M. Catchpole, P.A. Whitelock, M.W. Feast, T.H.H. Lloyd Evans, K. Sekiguchi, A. Zijlstra, D.A. Allen, S.A. Bell, J.C. Blades, D.A.H. Buckley, P.B. Byrne, P. Callanan, C. Collins, R.J. Cumming, D.O’Donoghue, A.P. Fairall, F. Freeman, D. Holmgren, K. Jones, D.W. Latham, S. Maddox, V.S. Meadows, W.P.S. Meikle, J.P.D. Mittaz, A. Monk, A.J. Penny, D. Pollaco, R.D. Slawson, M. Soltynsli, J. Spyromilio, G. Stirpe, R.S. Stobie, & **C. Willmer**, M.N.R.A.S., 262, 313-324.
15. 1993 “The MCG Equatorial Survey”. J. P. Huchra, D. W. Latham, L. N. da Costa, P. S. Pellegrini, & **C. N. A. Willmer**, AJ, 105, 1637-1657.
14. 1992 “Redshift Observations in The Hydra-Centaurus Region”. A.P. Fairall, **C. N. A. Willmer**, J.H. Calder n, D.W. Latham, L.N. da Costa, P.S. Pellegrini, M.A. Nunes, P. Focardi & G. Vettolani, AJ, 103, 11-27.
13. 1991 “Studies of Nearby Poor Clusters: A3574 and S 753”. **C. N. A. Willmer**, P. Focardi, R. Chan, P.S. Pellegrini & L.N. da Costa AJ, 101, 57-65.
12. 1990 “Distribution of Galaxies in the Southern Galactic Cap”. P.S. Pellegrini, L.N. da Costa, J.P. Huchra, D.W. Latham & **C. Willmer**, AJ, 99, 751-768.
11. 1990 “On the Statistical Properties of the Galaxy Distribution”. P.S. Pellegrini, **C. N. A. Willmer**, L.N. da Costa & B.X. Santiago, ApJ, 350, 95-103.
10. 1989 “Studies of Nearby Poor Clusters: The Eridanus Group”. **C. N. A. Willmer**, P. Focardi, L.N. da Costa & P.S. Pellegrini, AJ, 98, 1531-1541.
9. 1989 “The ON-CfA Redshift Survey of the Southern Hemisphere”. L.N. da Costa, P.S. Pellegrini, **C. Willmer**, R. de Carvalho, M. Maia, D.W. Latham & J.C. Geary, AJ, 97, 315-326.
8. 1989 “First Results from a Deeper Survey of a Southern Redshift Slice”. L.N. da Costa, P.S. Pellegrini, **C. Willmer** & D.W. Latham, ApJ, 344, 20-23.
7. 1988 “The Southern Sky Redshift Survey Extension, a Preliminary Report”, **C. N. A. Willmer**, L.A.N. da Costa & P.S.S. Pellegrini, “Bolet. Academ. Cien. Cordoba” 58, 399.
6. 1987 “Hydra-Centaurus, A Redshift Survey”, G. Chincarini, L. da Costa, A.P. Fairall, P. Pellegrini, G. Vettolani & **C. Willmer**, in **Large Scale Structures in the Universe**, IAU Symp. No. 130, eds. J. Audouze, M.C. Pelletan & A. Szalay, p. 522-522.

5. 1987 "The Centaurus-Hydra Supercluster Region II", L.N. da Costa, **C. Willmer**, P.S. Pellegrini & G. Chincarini, AJ, 93, 1338-1349.
4. 1987 "New Southern Galaxies with Active Nuclei", M.A.G. Maia, L.N. da Costa, **C. Willmer**, P.S. Pellegrini & C. Rit , AJ, 93, 546-556.
3. 1986 "The Observat rio Nacional–Center for Astrophysics Redshift Survey. A Status Report", L.N. da Costa, P.S. Pellegrini, **C. Willmer** & M.A. Nunes, Rev. Mex. Astron. Astrophys., 12, 63-72.
2. 1986 "Redshift Observations in the Centaurus-Hydra Supercluster Region I", L.N. da Costa, P.S. Pellegrini, M.A. Nunes, **C. Willmer**, G. Chincarini & J. Cowan", AJ, 91, 6-12.
1. 1984 "Redshifts for 228 Southern Galaxies" - L.N. da Costa, P.S.S. Pellegrini, M.A. Nunes, **C. Willmer** & D.W. Latham, AJ, 89, 1310-1318.