

Silvano Desidera  
CURRICULUM VITÆ

**Personal Information**

- Born a Treviso (Italy), 21 March 1970
- Nationality: Italian

**Education**

- **PhD in Astronomy** Università di Padova, 13 Feb 2001. Thesis on: *Search for Extrasolar Planets using the SARG Iodine Cell* Supervisors: S. Ortolani - R. Gratton
- **Laurea in Astronomia**, Università di Padova, 25 July 1996 (score **110/110 cum laudis**).  
Thesis on: *Study of evolved stars in galactic globular clusters* Supervisor: S. Ortolani

**Positions**

- October 2007: conferred as Researcher at INAF - Osservatorio Astronomico di Padova
- October 2004: Staff reasercher at INAF - Osservatorio Astronomico di Padova
- December 2003-October 2004: post-doc INAF grant on the search for extrasolar planets
- November 2002-October 2003: Grant on High-resolution spectroscopy to study Galactic Spheroid at INAF - Osservatorio Astronomico di Padova
- November 2000-October 2002: Resident astronomer at Asiago Cima Ekar Observatory (scientific characterization of instrumentation, service observing)

### Professional experience

- from 2007: Member of Science Group of SPHERE, responsible of the working group for the preparation of the NIR survey during GTO time (200 VLT nights)
- Responsible of the calibration plan of SPHERE-IFS
- from 2007: Member of the Science Group of EPICS
- 2008-2010: Member of the Council of PLATO space mission (ESA Cosmic Vision Program)
- from 2009: Local Coordinator of PRIN INAF 2008 *Environmental effects in the formation and evolution of extrasolar planetary systems*
- 2006-2009: Local Coordinator of PRIN INAF 2006 *From star to planets: accretion, disk evolution and planet formation*
- 1998-2000: During PhD thesis, participation to the realization of SARG, the high resolution spectrograph of Telescopio Nazionale Galileo. Responsibility for the iodine cell for high precision radial velocities, Participation to instrument integration, testing and commissioning.
- Large observing experience with optical telescopes
- Referee for international astronomical journals on papers on extrasolar planets and stellar characterization
- Co-supervisors of Master and PhD thesis at Padova and Catania University

## Publications

### Refereed papers

1. Messina, S., Desidera S., Turatto, M., Lanzafame, A.C., Guinan, E.F.  
*RACE-OC Project: Rotation and variability in young stellar associations within 100 pc*  
2010, A&A, in press (arXiv1004.1959)
2. Sozzetti, A., Desidera S.  
*Hipparcos preliminary astrometric masses for the two close-in companions to HD 131664 and HD 43848. A brown dwarf and a low-mass star*  
2010, A&A, 509, 103
3. Chauvin G., Lagrange A.-M., Bonavita M., Zuckerman B., Dumas C., Bessell M.S., Beuzit J.-L., Bonnefoy M., Desidera S., Farihi J., Lowrance P., Mouillet D., Song, I.  
*VLT/NACO Deep imaging survey of young, nearby austral stars*  
2009, A&A, 509..52
4. De Marchi, F., Poretti, E., Montalto, M., Desidera S., Piotto, G.  
*The first search for variable stars in the open cluster NGC 6253 and its surrounding field*  
2010, A&A, 509, 17
5. Montalto M., Piotto G., Desidera S., Platais I., Carraro G., Momany Y., De Marchi F., Recio-Blanco A.  
*BVRIJK photometry and proper motion analysis of NGC 6253 and the surrounding field,*  
2009, A&A, 505, 1129
6. Barbieri M., Alonso R., Desidera S., Sozzetti A., Martinez Fiorenzano A.F., Almenara J.M., Cecconi M., Claudi R.U., Charbonneau D., Endl M., Granata V., Gratton R., Laughlin G., Loeillet B.  
*Characterization of the HD 17156 planetary system*  
2009, A&A, 503, 601
7. Desidera S., Gratton R., Endl M., Martinez Fiorenzano A.F.; Barbieri M., Claudi R., Cosentino R., Scuderi S., Bonavita, M.  
*The SARG Planet Search*  
Chapter to appear in the book "Planets in Binary Star Systems", ed. Nader Haghighpour (Springer publishing company), 2007
8. Bonanno A., Benatti S., Claudi R., Desidera S., Gratton R., Leccia S., Paternó L.  
*Detection of Solar-Like Oscillations in the G5 Subgiant  $\mu$  Her*  
2008, ApJ 676, 1248
9. De Marchi F., Poretti E., Montalto M., Piotto G., Desidera S., Bedin, L.R., Claudi R.U., Arellano-Ferro A., Bruntt H., Stetson P.B.  
*Variable stars in the open cluster NGC 6791 and its surrounding field*  
2007, A&A, 471, 515

10. Montalto M., Piotto G., Desidera S., De Marchi F., Bruntt H., Stetson P.B., Arellano-Ferro A., Momany Y., Gratton R., Poretti E., Aparicio A., Barbieri M., Claudi R.U., Grundahl F., Rosenberg A.  
*A new search for transits in the super metal rich open cluster NGC 6791*,  
2007, A&A, 470, 1137
11. Bonavita M. & Desidera S.  
*The frequency of planets in binary systems*,  
2007, A&A, 468, 721
12. Gratton R.G., Lucatello S., Bragaglia A., Carretta E., Cassisi S., Momany Y., Pancino E., Valenti E., Caloi V., Claudi R., D'Antona F., Desidera S., Francois P., James G., Moehler S., Ortolani S., Pasquini L., Piotto G., Recio-Blanco, A.  
*Na-O Anticorrelation and Horizontal Branches. V. The Na-O anticorrelation in NGC 6441 from Giraffe spectra*  
2007, A&A, 464, 953
13. Desidera S., Gratton R., Lucatello S., Endl, M., Udry S.  
*Accretion of chemically fractionated material on a wide binary with a blue straggler*,  
2006, A&A, 462, 1039
14. Desidera S., Barbieri M.  
*Properties of planets in binary systems: the role of the binary separation*,  
2007, A&A, 462, 345
15. Berton A., Feldt M., Gratton R.G., Henning Th., Desidera S., Turatto M., Schmid, H.M., Waters, R.  
*Detecting Extrasolar Planets with Integral Field Spectroscopy*  
2006, PASP, 118, 1144
16. Desidera S., Gratton R., Lucatello S., Claudi R.U.  
*Abundance difference between the components of wide binaries II: the southern sample*,  
2006, A&A, 454, 581
17. Desidera S., Gratton R., Lucatello S., Claudi R.U., Dall T.H.  
*Spectroscopic characterization of a sample of southern visual binaries*,  
2006, A&A, 454, 553
18. Martinez-Fiorenzano A.F., Gratton R., Desidera S., Cosentino R., Endl M.  
*Line bisectors and radial velocity jitter from SARG spectra*,  
2005, A&A, 442, 775
19. Munari U., Henden A., Vallenari A., Bond A., Corradi R.L.M., Crause L., Desidera S., Giro E., Marrese P., Ragaini S., Siviero A., Sordo R., Starrfield S., Tomov T., Villanova S., Zwitter T., Wagner M.  
*On the distance, reddening and progenitor of V838 Mon*,  
2005, A&A, 434, 1107

20. Claudi R.U., Bonanno A., Leccia S., Ventura R., Desidera S., Gratton R., Cosentino R., Paternó L., Endl M.,  
*Asteroseismology of Procyon A with SARG at TNG*,  
2005, A&A, 429, L17
21. Desidera S., Gratton R.G., Endl M., Claudi R.U., Cosentino R., Barbieri M., Bonanno G.,  
Lucatello S., Martinez-Fioreziano A.F., Marzari F., Scuderi S.  
*No planet around HD 219542B*  
2004, A&A, 420, L27
22. Desidera S., Gratton R.G., Scuderi S., Claudi R.U., Cosentino R., Barbieri M., Bonanno G.,  
Carretta E., Endl. M., Lucatello S., Martinez-Fioreziano A.F., Marzari F.,  
*Abundance differences between components of wide binaries*  
2004, A&A, 420, 683
23. Benetti S., Meikle P., Stehle M., Altavilla G., Desidera S., Folatelli G., Goobar A., Mendez J.,  
Navasardyan H., Pastorello A., Patat F., Riello M., Ruiz-Lapuente P., Tsvetkov D., Turatto  
M., Mazzali P., Hillebrandt W.  
*Supernova 2002bo: inadequacy of the single parameter description*  
2004, MNRAS, 348, 261
24. James G., Francois P, Bonifacio P., Pasquini L., Spite F., Bragaglia A., Carretta E., Centurion  
M., Clementini G., Desidera S., Gratton R., Grundahl F., Lucatello S., Molaro P., Pasquini  
L., Sneden C., Spite F.  
*Heavy elements abundances in turn-off stars and early subgiants in NGC 6752*,  
2004, A&A, 414, 1071
25. Desidera S., Giro E., Munari U., Efimov Y.S., Henden A., Benetti S., Tomov T., Bianchini  
A., Pernechele C.  
*Polarimetric evolution of V838 Mon*  
2004, A&A, 414, 591
26. Gratton R., Bragaglia A., Carretta E., Clementini G., Desidera S., Grundahl F., Lucatello  
S.,  
*Distances and ages of NGC 6397, NGC 6752 and 47 Tuc*  
2003, A&A, 408, 529
27. Gratton R., Carretta E., Desidera S., Lucatello S., Mazzei P., Barbieri M.  
*Abundances for metal-poor stars with accurate parallaxes II. alpha-elements in the halo*  
2003, A&A, 406, 131
28. Desidera S., Gratton R.G., Endl M., Barbieri M, Claudi R.U., Cosentino R., Lucatello S.,  
Marzari F., Scuderi S.  
*A search for planets in the metal-enriched binary HD 219542*  
2003, A&A 405, 205

29. Bianchini A., Canterna R., Desidera S., Garcia C.  
*Evidence for Magnetic Accretion during the 2002 Optical Outburst of the Old Nova GK Persei (1901)*  
2003, PASP 115, 474
30. Munari U., Henden A., Kiyota S., Laney D., Marang F., Zwitter T., Corradi R.L.M., Desidera S., Marrese P., Giro E., Boschi F., Schwartz M.B.,  
*The mysterious eruption of V838 Mon,*  
2002, A&A 389, L51
31. Bonifacio P., Pasquini L., Spite F., Bragaglia A., Carretta E., Castellani V., Centurion M., Chieffi A., Claudi R., Clementini G., D'Antona F., Desidera S., Francois P., Gratton R., Grundahl F., James G., Lucatello S., Molaro P., Sneden C., Straniero O.,  
*The lithium content of the globular cluster NGC 6397,*  
2002, A&A 390, 91
32. Gratton R.G., Bonanno G., Bruno P., Calí A., Claudi R.U., Cosentino R., Desidera S., Diego F., Farisato G., Martorana G., Rebeschini M., Scuderi S.,  
*SARG: The High Resolution Spectrograph of TNG,*  
2001, Exp. Astron., 12, 107
33. Gratton R.G., Bonanno G., Claudi R.U., Cosentino R., Desidera S., Lucatello S., Scuderi S.,  
*Non-interacting main sequence binaries with different chemical composition: evidences of infall of rocky material ?,*  
2001, A&A 377, 123
34. Masetti N., Palazzi E., Pian E., Mannucci F., Antonelli L.A., Di Paola A., Saracco P., Amati L., Bartolini C., Bernabei S., Bettoni D., Covino S., Desidera S., Di Serego Alighieri S., Falomo R., Frontera F., Ghinassi F., Guarnieri A., Magazzú A., Maiolino R., Mignoli M., Nicastro L., Pedani M., Piccioni A., Poggianti B.M., Savaglio S., Valentini G., Zacchei A.  
*GRB 010222: afterglow emission from a rapidly decelerating shock,*  
2001, A&A, 374, 382
35. Gratton R.G., Bonifacio P., Bragaglia A., Carretta E., Castellani V., Centurion M., Chieffi A., Claudi R., Clementini G., D'Antona F., Desidera S., Francois P., Grundahl F., Lucatello S., Molaro P., Pasquini L., Sneden C., Spite F., Straniero O.,  
*The O-Na and Mg-Al anticorrelations in turn-off stars and early subgiants in globular clusters,*  
2001, A&A 369, 87
36. Munari U., Tomov T., Yudin B.F., Marrese P.M., Zwitter T., Gratton R.G., Bonanno G., Bruno P., Calí A., Claudi R.U., Cosentino R., Desidera S., Farisato G., Martorana G., Marino G., Rebeschini M., Scuderi S., Timpanaro M.C.,  
*Discovery of a bipolar and highly variable mass outflow from the symbiotic binary StH $_{\alpha}$  190,*  
2001, A&A 369, L1
37. Bragaglia A., Carretta E., Gratton R.G., Tosi M., Bonanno G., Bruno P., Calí A., Claudi R.U., Cosentino R., Desidera S., Farisato G., Rebeschini M., Scuderi S.,

*Metal Abundances of Red Clump Stars in Open Clusters: I. NGC 6819,*  
2001, AJ 121, 327

38. Desidera S.,  
*Properties of Hypothetical Planetary Systems around the Brown Dwarf GL 299B,*  
1999, PASP 111, 1529
39. Barbuy B., Ortolani S., Bica E., Desidera S.,  
*The metal rich bulge globular cluster NGC 6401,*  
1999, A&A 348, 783