

Grants

- H2020 Marie Skłodowska-Curie Individual Fellowships – 158,121.60 EUR (2016-2018).

Collaboration memberships

- Member of the **Euclid** *Galaxy clustering; CMBXC; Theory*; working groups – co-leader of WP10: other probes
- Coordinator of **CERN** activities for **Euclid** science
- Coordinator and co-leader of the **SKA** Gravitational Waves Working Group
- Member of the **SKA** Cosmology Working Group
- Member of the **EMU** Cosmology Working Group
- Member of the **LISA** Collaboration – *Cosmology; Fundamental Physics* working groups
- Member of the **3G** Consortium for third generation GW interferometers
- Member of the **LRA** Lunar Radio Array project

Professional Activities

- **Grant Review**, NASA Astrophysics Theory Program, NASA Astrophysics Data Analysis Program (ADAP), Swiss National Science Foundation (SNSF), National Research, Development and Innovation Office (NKFIH)
- **Referee**, Nature Astronomy, PRL, PRD, MNRAS, JCAP, ApJ
- **Workshops organization:**
 - “Venice Cosmology Workshop 2018”, Venice, Italy, 2018;
 - “CERN-TH/ Euclid Meeting”, CERN, Switzerland, 2019
 - “Zooming in on Axions in the Early Universe”, CERN, Switzerland, 2020
 - “First EuCAPT Annual Symposium”, CERN, Switzerland, 2021
 - “SKA Conference”, Cape Town, South Africa, 2021

Invited speaker/ Keynote participant

- Invited keynote speaker at “7th Laser Interferometer Space Antenna Cosmology Workshop”, Padova, Italy, September 2019;
- Invited speaker at “19th Lomonosov Conference on Elementary Particle Physics”, Moscow, Russia, August 2019;
- Invited speaker at “Searching for new physics - Leaving no stone unturned!”, Salt Lake City, Utah, August 2019;
- Invited speaker at “Gordon Research Conference on String Theory and Cosmology”, Barcelona, Spain, June 2019;
- Invited seminar at Albert Einstein Institute, Max Planck Institute for Gravitational Physics, Potsdam, Germany, April 2019;
- Workshop “Concordances and challenges in cosmology after Planck”, Sexten Center for Astrophysics, Sesto Pusteria, Italy, February 2019;
- Winter Mini Workshop on Gravity and Cosmology, University of Warsaw, Poland, January 2019;
- Workshop “Fundamental physics with LISA”, The Galileo Galilei Institute for Theoretical Physics (GGI), Florence, Italy, Nov 2018;
- Invited seminar at the University of Geneva, Geneva, Switzerland, November 2018;
- Workshop “From Dark Energy to Bright Synergies”, Sexten Center for Astrophysics, Sesto Pusteria, Italy, July 2018
- Workshop “General Relativistic effects in cosmological large-scale structure”, Sexten Center for Astrophysics, Sesto Pusteria, Italy, July 2018.
- Workshop of the CERN Theory Institute, “Probing the dark sector and general relativity at all scales”, Geneva, Switzerland, August 2017;
- Workshop on Cosmology with Next Generation Radio Surveys, Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, June 2016;
- Theoretical Cosmology in the Era of Large Surveys Workshop, The Galileo Galilei Institute for Theoretical Physics (GGI), Florence, Italy, May 2016;

Highlighted Publications

- **PRL cover article (May, 2016):**
<http://physics.aps.org/synopsis-for/10.1103/PhysRevLett.116.201301>
Bird S., Cholis I., Muñoz J. B., Ali-Haïmoud Y., Kamionkowski M., Kovetz E. D., Raccanelli A., Riess A. G., *Did LIGO detect dark matter?*, 2016, Physical Review Letters, 116, 20, arXiv:1603.00464
- **NASA ADS paper of the day (June 27, 2016):**
Raccanelli A., Montanari F., Bertacca D., Doré O., Durrer R., *Cosmological Measurements with General Relativistic Galaxy Correlations*, 2016, JCAP, 05, 009, arXiv:1505.06179
- **NASA ADS paper of the day (June 28, 2016):**
Bird S., Cholis I., Muñoz J. B., Ali-Haïmoud Y., Kamionkowski M., Kovetz E. D., Raccanelli A., Riess A. G., *Did LIGO detect dark matter?*, 2016, Physical Review Letters, 116, 20, arXiv:1603.00464
- **NASA ADS paper of the day (April 24, 2014):**
Cyr-Racine F.-Y., de Putter R., Raccanelli A., Sigurdson K., *Constraints on Large-Scale Dark Acoustic Oscillations from Cosmology*, 2014, Physical Review D, 89, 6, arXiv:1310.3278
- **Selected papers with > 50 citations (excluding collaboration papers):**

Bird S., Cholis I., Muñoz J. B., Ali-Haïmoud Y., Kamionkowski M., Kovetz E. D., Raccanelli A., Riess A. G., *Did LIGO detect dark matter?*, 2016, Physical Review Letters, 116, 20, arXiv:1603.00464

Raccanelli A., Montanari F., Bertacca D., Doré O., Durrer R., *Cosmological Measurements with General Relativistic Galaxy Correlations*, 2016, JCAP, 05, 009, arXiv:1505.06179

Raccanelli A., Bertacca D., Doré O., Maartens R., *Large-scale 3D galaxy correlation function*, 2014, JCAP, 08, 022, arXiv:1306.6646

Cyr-Racine F.-Y., de Putter R., **Raccanelli A.**, Sigurdson K., *Constraints on Large-Scale Dark Acoustic Oscillations from Cosmology*, 2014, Physical Review D, 89, 6, arXiv:1310.3278

Raccanelli A., Bertacca D., Pietrobon D., Schmidt F., Samushia L., Bartolo N., Doré O., Matarrese S., Percival W. J., *Testing Gravity Using Large-Scale Redshift-Space Distortions*, 2013, MNRAS, 436, 89, arXiv:1207.0500

Samushia L., Percival W. J., **Raccanelli A.**, *Interpreting large-scale redshift-space distortion measurements*, 2011, MNRAS, 420, 2102, arXiv:1102.1014

Raccanelli A., Samushia L., Percival W. J., *Simulating Redshift-Space Distortions for Galaxy Pairs with Wide Angular Separation*, 2010, MNRAS, 409, 1525, arXiv:1006.1652v1

Raccanelli A., Bonaldi A., Negrello M., Matarrese S., Tormen G., De Zotti G., *A reassessment of the evidence of the Integrated Sachs-Wolfe effect through the WMAP-NVSS correlation*, 2008, MNRAS, 386, 2161, arXiv:0802.0084v1

Publication List papers: 74; first-author papers: 19; citations: 4820; *h*-index: 34

- Scelfo G., Spinelli M., Raccanelli A., Boco L., Lapi A., Viel M., *Gravitational waves \times HI intensity mapping: cosmological and astrophysical applications*, 2021, arXiv:2106.09786
- Bernal J. L., Bellomo N., **Raccanelli A.**, Verde L., *Beware of commonly used approximations II: estimating systematic biases in the best-fit parameters*, 2020, JCAP, 10, 017, arXiv:2005.09666
- Bellomo N., Bernal J. L., Scelfo G., **Raccanelli A.**, Verde L., *Beware of commonly used approximations I: errors in forecasts*,

- 2020, JCAP, 10, 016, arXiv:2005.10384
- Bertacca D., Ricciardone A., Bellomo N., Jenkins A. C., Matarrese S., **Raccanelli A.**, Regimbau T., Sakellariadou M., *Projection effects on the observed angular spectrum of the astrophysical stochastic gravitational wave background*, 2020, Phys. Rev. D 101, 103513, arXiv:1909.11627
 - Short K., Bernal J. L.; **Raccanelli A.**, Verde L., Chluba J., *Enlightening the dark ages with dark matter*, 2020, JCAP, 07, 020, arXiv:1912.07409
 - Barausse E., et al., *Prospects for Fundamental Physics with LISA*, 2020, GReGr, 52, 81, arXiv:2001.09793
 - Valcin D., Villaescusa-Navarro F., Villaescusa-Navarro F., **Raccanelli A.**, *BE-HaPPY: Bias Emulator for Halo Power Spectrum including massive neutrinos*, 2019, JCAP 12, 057, arXiv:1901.06045
 - Kalaja A., Bellomo N., Bartolo N., Bertacca D., Matarrese S., Musco I., **Raccanelli A.**, Verde L., *From Primordial Black Holes Abundance to Primordial Curvature Power Spectrum (and back)*, 2019, JCAP, 10, 031, arXiv:1908.03596
 - Sesana A., et al., *Unveiling the Gravitational Universe at μ -Hz Frequencies*, 2019, arXiv:1908.11391
 - Murgia R., Scelfo G., Viel M., **Raccanelli A.**, *Lyman- α forest constraints on Primordial Black Holes as Dark Matter*, 2019, Phys. Rev. Lett. 123, 071102, arXiv:1903.10509
 - Ali-Haïmoud Y., et al., *Electromagnetic probes of primordial black holes as dark matter*, 2019, arXiv:1903.04424
 - Bernal, J. L., **Raccanelli A.**, Kovetz E. D., Parkinson D., Norris R. P., Danforth G., Schmitt C., *Probing Λ CDM cosmology with the Evolutionary Map of the Universe survey*, 2019, JCAP, 02, 030, arXiv:1810.06672
 - **Raccanelli A.**, Villaescusa-Navarro F., Villaescusa-Navarro F., *Biases from neutrino bias: to worry or not to worry?*, 2018, MNRAS, 483, 734, arXiv:1704.07837
 - Square Kilometre Array Cosmology Science Working Group, *Cosmology with Phase 1 of the Square Kilometre Array; Red Book 2018: Technical specifications and performance forecasts*, 2018, arXiv:1811.02743
 - Weltman, A., Bull P., Camera S., Kelley K., Padmanabhan H., Pritchard J., **Raccanelli A.**, Riemer-Sorensen S., Shao L., et al., *Fundamental Physics with the Square Kilometer Array*, 2018, PASA, in press, arXiv:1810.02680
 - Scelfo G., Bellomo N., **Raccanelli A.**, Matarrese S., Verde L., *GW \times LSS: chasing the progenitors of merging binary black holes*, 2018, JCAP, 09, 039, arXiv:1809.03528
 - **Raccanelli A.**, Vidotto F., Verde L., *Effects of primordial black holes quantum gravity decay on galaxy clustering*, 2018, JCAP, 08, 003, arXiv:1708.02588
 - Karagiannis D., Lazanu A., Liguori M., **Raccanelli A.**, Bartolo N., Verde L., *Constraining primordial non-Gaussianity with bispectrum and power spectrum from upcoming optical and radio surveys*, 2018, MNRAS, 478, 1, arXiv:1801.09280
 - Jimenez R., **Raccanelli A.**, Verde L., Matarrese S., *Peering beyond the horizon with standard sirens and redshift drift*, 2018, JCAP, 04, 002, arXiv:1711.07984

- Bellomo N., Bernal J. L., **Raccanelli A.**, Verde L.,
Primordial Black Holes as Dark Matter: Converting Constraints from Monochromatic to Extended Mass Distributions,
2018, JCAP, 01, 004, arXiv:1709.07467
- **Raccanelli A.**, Bertacca D., Jeong D., Neyrinck M., Szalay A.,
Doppler term in the galaxy two-point correlation function: wide-angle, velocity, Doppler lensing and cosmic acceleration effects,
2018, Physics of the Dark Universe, 19, 109, arXiv:1602.03186
- Bernal J. L., **Raccanelli A.**, Verde L., Silk J.
Signatures of primordial black holes as seeds of supermassive black holes,
2018, JCAP, 05, 017, arXiv:1712.01311
- Bertacca D., **Raccanelli A.**, Bartolo N., Liguori M., Matarrese S., Verde L.,
Relativistic wide-angle galaxy bispectrum on the light-cone,
2018, PRD, 97, 2, arXiv:1705.09306
- Bertacca D., **Raccanelli A.**, Bartolo N., Matarrese S.,
Cosmological perturbation effects on gravitational-wave luminosity distance estimates,
2018, Physics of the Dark Universe, 20, 32, arXiv:1702.01750
- Bernal J. L., Bellomo N., **Raccanelli A.**, Verde L.,
Cosmological implications of Primordial Black Holes,
2017, JCAP, 10, 052, arXiv:1709.07465
- **Raccanelli A.**,
Gravitational wave astronomy with radio galaxy surveys,
2017, MNRAS, 469, 1, arXiv:1609.09377
- Kovetz E. D., **Raccanelli A.**, Rahman M.,
Cosmological Constraints with Clustering-Based Redshifts,
2017, MNRAS, 468, 3, arXiv:1606.07434
- Muñoz J. B., Kovetz E. D., **Raccanelli A.**, Kamionkowski M., Silk J.,
Towards a measurement of the spectral runnings,
2017, JCAP, 05, 32, arXiv:1611.05883
- **Raccanelli A.**, Shiraishi M., Bartolo N., Bertacca D., Liguori M., Matarrese S., Norris R. P., Parkinson D.,
Future Constraints on Angle-Dependent Non-Gaussianity from Large Radio Surveys,
2017, Physics of the Dark Universe, 15, 35, arXiv:1507.05903
- Cholis I., Kovetz E. D., Ali-Haïmoud Y., Bird S., Kamionkowski M., Muñoz J. B., **Raccanelli A.**,
Orbital eccentricities in primordial black holes binaries,
2016, Physical Review D, 94, 8, arXiv:1606.07437
- **Raccanelli A.**, Kovetz E. D., Bird S., Cholis I., Muñoz J. B.,
Determining the progenitors of merging black-hole binaries,
2016, Physical Review D, 94, 2, arXiv:1605.01405
- Emami R., Grin D., Pradler J., **Raccanelli A.**, Kamionkowski M.,
Cosmological tests of an axiverse-inspired quintessence field,
2016, Physical Review D, 93, 12, arXiv:1603.04851
- Shiraishi M., Muñoz J. B., Kamionkowski M., **Raccanelli A.**,
Violation of statistical isotropy and homogeneity in the 21-cm power spectrum,
2016, Physical Review D, 93, 10, arXiv:1603.01206
- Bird S., Cholis I., Muñoz J. B., Ali-Haïmoud Y., Kamionkowski M., Kovetz E. D., **Raccanelli A.**, Riess A. G.,
Did LIGO detect dark matter?,
2016, Physical Review Letters, 116, 20, arXiv:1603.00464
- Di Dio E., Montanari F., **Raccanelli A.**, Durrer R., Kamionkowski M., Lesgourgues J.,
Curvature constraints from large scale structure,
2016, JCAP, 06, 013, arXiv:1603.09073
- Dai L., Kamionkowski M., Kovetz E., **Raccanelli A.**, Shiraishi M.,

- Antisymmetric galaxy cross-correlations as a cosmological probe*,
2016, Physical Review D, 93, 2, arXiv:1507.05618
- Pullen A. R., Hirata C. M., Doré O., **Raccanelli A.**,
Interloper bias in future large-scale structure surveys,
2016, PASJ, 68, 12, arXiv:1507.05092
 - **Raccanelli A.**, Montanari F., Bertacca D., Doré O., Durrer R.,
Cosmological Measurements with General Relativistic Galaxy Correlations,
2016, JCAP, 05, 009, arXiv:1505.06179
 - **Raccanelli A.**, Kovetz E., Dai L., Kamionkowski M.,
Detecting the integrated Sachs-Wolfe effect with high-redshift 21-cm surveys,
2016, Physical Review D, 93, 3512, arXiv:1502.03107
 - **Raccanelli A.**, Doré O., Dalal N.,
Optimization of spectroscopic surveys for testing non-Gaussianity,
2015, JCAP, 08, 034, arXiv:1409.1927
 - **Raccanelli A.**, Doré O., Bacon D. J., Maartens R., Santos M. G., Camera S., Davis T., Drinkwater M. J., Jarvis M. J., Norris R., Parkinson D.,
Probing primordial non-Gaussianity via i SW measurements with SKA continuum surveys,
2015, JCAP, 01, 042, arXiv: 1406.0010
 - **Raccanelli A.**, Bull P., Camera S., Bacon D., Blake C., Doré O., Ferreira P. G., Maartens R., Santos M. G., Viel M., Zhao G.-B.,
Measuring redshift-space distortions with future SKA surveys,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03821
 - Camera S., **Raccanelli A.**, Bull P., Bertacca D., Chen X., Ferreira P. G., Kunz M., Maartens R., Mao Y., Santos M. G., Shapiro P. R., Viel M., Xu Y.,
Cosmology on the Largest Scales with the SKA,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03851
 - Bull P., Camera S., **Raccanelli A.**, Blake C., Ferreira P. G., Santos M. G., Schwarz D.,
Measuring baryon acoustic oscillations with future SKA surveys,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.04088
 - Bacon D., et al.,
Synergy between the Large Synoptic Survey Telescope and the Square Kilometre Array,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03977
 - Jarvis M. J., Bacon D., Blake C., Brown M., Lindsay M., **Raccanelli A.**, Santos M. G., Schwarz D.,
Cosmology with Radio Continuum Surveys,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03825
 - Schwarz D. J., Bacon D., Chen S., Clarkson C., Huterer D., Kunz M., Maartens R., **Raccanelli A.**, Rubart M., Starck J.-L.,
Testing foundations of modern cosmology with SKA all-sky surveys,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03820
 - KloECKner H. R., Obreschkow D., Martins C., **Raccanelli A.**, Champion D., Roy A., Lobanov A., Wagner J., Keller R.,
Real time cosmology - A direct measure of the expansion rate of the Universe,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.03822
 - Zhao G.-B., Bacon D., Maartens R., Santos M. G., **Raccanelli A.**,
Model-independent constraints on dark energy and modified gravity with the SKA,
2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15),

- arXiv:1501.03840
- Abdalla F. B. Bull P., Camera S., Benoit-Levy A., Joachimi B., Kirk D., Kloeckner H.-R., Maartens R., **Raccanelli A.**, Santos M. G., Zhao G.-B., *Cosmology from HI galaxy surveys with the SKA*, 2015, Proceedings of “Advancing Astrophysics with the Square Kilometre Array”, PoS (AASKA15), arXiv:1501.04035
 - Doré O., et al., *SPHEREx: An All-Sky Spectral Survey*, 2014, arXiv:1412.4872
 - **Raccanelli A.**, Bertacca D., Doré O., Maartens R., *Large-scale 3D galaxy correlation function*, 2014, JCAP, 08, 022, arXiv:1306.6646
 - Cyr-Racine F.-Y., de Putter R., **Raccanelli A.**, Sigurdson K., *Constraints on Large-Scale Dark Acoustic Oscillations from Cosmology*, 2014, Physical Review D, 89, 6, arXiv:1310.3278
 - Brown, M. L., et al., *Probing the accelerating Universe with radio weak lensing in the JVLA Sky Survey*, 2013, arXiv:1312.5618
 - **Raccanelli A.**, Bertacca D., Maartens R., Clarkson C., Doré O., *Lensing and time-delay contributions to galaxy correlations*, 2013, General Relativity and Gravitation, 48, 7, arXiv:1311.6813
 - Huterer D., et al., *Growth of Cosmic Structure: Probing Dark Energy Beyond Expansion*, 2013, Report from the “Dark Energy and CMB” working group for “Snowmass”, arXiv:1309.5385
 - **Raccanelli A.**, *Testing gravity on Large Scales*, 2013, EPJ, 58, 02013, in *The Time Machine Factory [unspeakable, speakable] on Time Travel in Turin*, M. Crosta, M. Gramegna and M.L. Ruggiero (Eds.),
 - **Raccanelli A.**, Bertacca D., Pietrobon D., Schmidt F., Samushia L., Bartolo N., Doré O., Matarrese S., Percival W. J., *Testing Gravity Using Large-Scale Redshift-Space Distortions*, 2013, MNRAS, 436, 89, arXiv:1207.0500
 - LSST Dark Energy Science Collaboration, *Large Synoptic Survey Telescope: Dark Energy Science Collaboration*, 2012, arXiv:1211.0310
 - Norris R. P., et al., *Radio Continuum Surveys with Square Kilometre Array Pathfinders*, 2012, PASA, 30, 020, arXiv:1210.7521
 - Ross A. J., et al., *The clustering of galaxies in the SDSS-III DR9 Baryon Oscillation Spectroscopic Survey: constraints on primordial non-Gaussianity*, 2013, MNRAS, 428, 1116, arXiv:1210.7521
 - Takada M. et al. for the PFS collaboration, *Extragalactic Science and Cosmology with the Subaru Prime Focus Spectrograph (PFS)*, 2014, PASJ, 66, 1, arXiv:1206.0737
 - Maartens R., Zhao G.-B., Bacon D., Koyama K., **Raccanelli A.**, *Relativistic corrections and non-Gaussianity in radio continuum surveys*, 2013, JCAP, 02, 044, arXiv:1206.0732
 - Bertacca D., Maartens R., **Raccanelli A.**, Clarkson C., *Beyond the plane-parallel and Newtonian approach: Wide-angle redshift distortions and convergence in general relativity*, 2012, JCAP, 10, 025, arXiv:1205.5221
 - Camera S., Santos M. G., Bacon D. J., Jarvis M. J., McAlpine K., Norris R. P., **Raccanelli A.**, Rottgering H.,

- Impact of Redshift Information on Cosmological Applications with Next-Generation Radio Surveys*,
2012, MNRAS, 427, 2079, arXiv:1205.1048
- **Raccanelli A.**, Zhao G.-B., Bacon D., Jarvis M., Percival W. J., Norris R. P., Rottgering H., Abdalla F. B., Cress C. M., Kubwimana J.-C., Lindsay S., Nichol R. C., Santos M. G., Schwarz D. J.,
Cosmological Measurements with Forthcoming Radio Continuum Surveys,
2011, MNRAS, 424, 801, arXiv:1108.0930
 - Percival W. J., Samushia L., Ross A. J., Shapiro C., **Raccanelli A.**,
Redshift-space distortions,
2011, Philosophical Transactions of the Royal Society A, 369, 1957
 - Norris R. P., et al.,
EMU: Evolutionary Map of the Universe,
2011, PASA, 28, 3, arXiv:1106.3219
 - **Raccanelli A.**,
Testing cosmological models with the Integrated Sachs-Wolfe effect,
2011, JPh CS, 280, 2009
 - Samushia L., Percival W. J., **Raccanelli A.**,
Interpreting large-scale redshift-space distortion measurements,
2011, MNRAS, 420, 2102, arXiv:1102.1014
 - Bertacca D., **Raccanelli A.**, Piattella O., Pietrobon D., Bartolo N., Matarrese S., Giannantonio T.,
CMB-Galaxy correlation in Unified Dark Matter Scalar Field Cosmologies,
2011, JCAP, 03, 039, e-print: arXiv:1102.0284
 - **Raccanelli A.**, Samushia L., Percival W. J.,
Simulating Redshift-Space Distortions for Galaxy Pairs with Wide Angular Separation,
2010, MNRAS, 409, 1525, arXiv:1006.1652v1
 - Massardi M., Bonaldi A., Negrello M., Ricciardi S., **Raccanelli A.**, De Zotti G.,
A model for the cosmological evolution of low frequency radio sources,
2010, MNRAS, 404, 532, arXiv:1001.1069v1
 - **Raccanelli A.**, Bonaldi A., Negrello M., Matarrese S., Tormen G., De Zotti G.,
A reassessment of the evidence of the Integrated Sachs-Wolfe effect through the WMAP-NVSS correlation,
2008, MNRAS, 386, 2161, arXiv:0802.0084v1

Computer Skills

- OS: Mac OS X, Unix/Linux, Windows, iOS;
- Languages: Fortran, C/C++, IDL, HTML, Python;
- Tools: Mathematica, Matlab, SM, IRAF, \LaTeX , Office, Photoshop;
- Software for Cosmology: CLASS, CLASSgal, CMBFAST, CAMB, MG-CAMB.

Languages

- Italian: Native Language.
- English: Fluent.
- German: High School Level.
- Spanish: Basic.