

Laboratoire d'Astrophysique de Marseille
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Research topics

- Galaxy formation and evolution
- Cosmology
- Galaxy redshifts and physical properties
- Deep imaging and spectroscopic surveys
- Statistical analysis
- Star-formation and mass assembly

Positions and Education

2023-present Astronomer at Laboratoire d'astrophysique de Marseille / eq. Professor at AMU
2022 6 months visiting period in JPL/Caltech
2016 HDR (Habilitation à Diriger des Recherches) at AMU
2009-2023 Associate-astronomer at Laboratoire d'astrophysique de Marseille
2006-2008 Post-doctoral fellowship, Institute for Astronomy, USA
2004-2005 Post-doctoral fellowship, Bologna Observatory, Italy
2001-2004 PhD "galaxy evolution in the high-z Universe with VVDS" (supervisor L. Tresse)
Aix-Marseille University/ Laboratoire d'Astrophysique de Marseille

Teaching and supervision

- Teaching at licence and master levels at the Aix-Marseille University (since 2009, >65h/year), in particular the M2 course on galaxy evolution.
- Supervision of postdoctoral fellows (Davidzon 2015-2016, Moutard 2021-2023, Mercier 2023-2026),
- Supervision of PhD students (Moutard 2012-2015, Kauffmann 2017-2020, Arango-Toro 2022-2025, Vishrut bezbarua 2025-2028), and many Licence and Master students (>20)

Responsibilities

Scientific

- 2022-2027 PI of the project iMAGE (400ke), funded by the ANR (National Research Agency)
- PI of the project SAGACE (180ke), funded by the ANR (National Research Agency)

- Responsible of CNES HST-COSMOS grant since 2014 (>200ke)
- Responsible of the GAZPAR (Observational Service to the community),
- Active member of several collaborations (e.g. COSMOS, Euclid)

Institutional

- Referee of many publications (>20) in A&A, ApJ, MNRAS
- Thesis committees (>15)
- Scientific council at LAM (2019-2024), and several committees (thesis, concourse training, etc)
- Scientific council of OSU Pytheas since 2021.
- Member of the CNAP selection panel (2015-2019)
- Member of the National Universities Committee (2013-2015)
- Reviewer for Subaru Proposal selection (2014-2015)
- Review panel member at ESO (2012)

Publications

453 refereed publications with 49929 citations, source [NASA/ADS](#)

Few selected publications:

1. *COSMOS-Web: A history of galaxy migrations over the stellar mass - star formation rate plane*, Arango-Toro R., Ilbert O., Ciesla L. et al., 2025, A&A, 696, 159
2. *COSMOS-Web: Stellar mass assembly in relation to dark matter halos across $0.2 < z < 12$ of cosmic history*, Shuntov M., Ilbert O., Toft S. et al., 2025A&A, 695, 20
3. *COSMOS2020: UV-selected galaxies at $z > 7.5$* , Kauffmann O., Ilbert O., Weaver J. et al., 2022, A&A, 667, 65
4. *Euclid preparation: XI. Mean redshift determination from galaxy redshift probabilities for cosmic shear tomography*, Euclid collaboration, Ilbert O., de la Torre S., Martinet N. et al., 2021, A&A, 647, 117
5. *The COSMOS2015 galaxy stellar mass function. Thirteen billion years of stellar mass assembly in ten snapshots*, Davidzon I., Ilbert O., Laigle C., 2017A&A, 605, 70
6. *Evolution of the sSFR Function at $z < 1.4$ - Dissecting the mass-SFR* Ilbert O., Arnouts S., Le Flo'c'h et al., 2015, A&A, 579, 2
7. *Mass assembly in quiescent and star-forming galaxies since $z \approx 4$ from UltraVISTA* Ilbert O., McCracken H.J., Le Fèvre O. et al., 2013, A&A, 556, 51
8. *Accurate photometric redshifts for the CFHT legacy survey calibrated using the VVDS survey* Ilbert O., Arnouts S., McCracken H.J. et al., 2006, A&A, 457, 841