

## CURRICULUM VITAE

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# Ovidiu VADUVESCU

## Astronomer

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### MAIN INTERESTS:

- Dwarf galaxies: dwarf irregulars, blue compact dwarfs, dwarf ellipticals, dwarf spheroidals;
- Asteroids and comets: near Earth asteroids, main belt asteroids, main belt comets;
- Observing techniques: near infrared and visible imaging, large field surveys, spectroscopy;
- Data mining, big data, surveys, software development, algorithms;
- Astronomy education and public outreach;
- Astronomical observatories, site characterization, instrumentation.

### WORK EXPERIENCE:

- **2009 - Present - Staff Astronomer**, Isaac Newton Group of Telescopes (ING), La Palma, Canary Islands, Spain ([website](#)).
- **2007 - 2008 - Postdoctoral Fellow & Professor**, Institute for Astronomy, Universidad Catolica del Norte, Antofagasta, Chile (Comité Mixto ESO - Gobierno de Chile, [website](#)).
- **2006 - Postdoctoral Fellow**, Astrophysics and Cosmology Research Unit, University of Kwazulu-Natal, and South African Astronomical Observatory, Durban, South Africa ([website](#)).
- **2000 - 2005 - Research Assistant**, Department of Physics and Astronomy, York University, Toronto, Canada ([website](#)).
- **1991 - 1997 - Research Assistant**, Astronomical Institute of the Romanian Academy, Bucharest, Romania ([website](#)).

### EDUCATION:

- **2000 - 2005 - PhD (Physics and Astronomy)**, York University, Toronto, Canada. Thesis: Infrared Properties of Star Forming Dwarf Galaxies. Advisor: Prof. Marshall McCall. The thesis is available [here](#) (pdf, 7 MB).
- **1993 - 1997 - PhD (Mathematics and Astronomy)**, Babes-Bolyai Univ. of Cluj-Napoca, Romania. The curriculum contained three exams, three written dissertations and the final public thesis defense. Thesis: Study of Some Dynamical Phenomena in the Solar System. Advisor: Prof. Arpad Pal. The following [link](#) points to my scanned thesis (in Romanian).
- **1986 - 1991 - MSc (Mathematics and Computer Sciences)**, University of Craiova, Romania. The curriculum contained about 50 exams, oral presentations, written colloquia and a diploma thesis. Thesis: Calculus of the Orbits and Ephemerides in the Solar System. Applications on the Computer. Advisor: Prof. Ion Cojocaru. My scanned [thesis](#) (in Romanian).

### ASSOCIATE POSITIONS:

- **2017 - Present - Professor Associate, PhD supervisor**, [University of Craiova](#), Romania.
- **2010 - Present - Research Associate**, [IAC](#), Tenerife, Canary Islands, Spain.
- **2005 - 2016 - Research Associate**, [IMCCE](#), Observatoire de Paris, France.
- **2000 - 2011 - Research Associate**, [Astronomical Institute of the Romanian Academy](#).

**OBSERVING AND DATA REDUCTION EXPERIENCE:**

- **Subaru SuprimeCam** – Data mining of NEAs (1999-2012);
- **ESO/VLT HAWK** – NIR imaging of dwarf galaxies in Fornax and Hydra clusters (2008–2009, 6hr service);
- **Gemini North GMOS** – Spectroscopy of BCDs in Virgo (12h 2003, service);
- **Gemini South GMOS** – Spectroscopy of star forming galaxies in clusters: Fornax (15h 2007), Hydra (20h 2008) and Antlia (15h 2010), service;
- **WHT ISIS, ACAM, LIRIS, PFIP** – Observing Support and Service (~500n 2009-2020);
- **WHT LIRIS** – Dwarf elliptical galaxies (4n 2018-2020, related to supervised PhD);
- **VISTA** – Archival imaging (~100 dwarf elliptical galaxies related to supervised PhD);
- **Blanco ISPI** – NIR imaging of dwarf galaxies (10n 2006 – 2009);
- **Blanco Mosaic II** – Recovery of Near Earth Asteroids (2n in 2011);
- **Blanco DECam** – Data mining & recovery of ~100 virtual impactor asteroids (2014-2019);
- **CFHT CFHTIR** – NIR imaging of dwarf galaxies (6n 2002, 2004);
- **CFHT Mega-Cam** – CFHT Legacy Survey data mining of NEAs (2008 - 2009);
- **CFHT WIRCAM** – Archival imaging (~50 dwarf elliptical galaxies related to supervised PhD);
- **NTT SOFI** – NIR imaging of dwarf galaxies in the Local Volume (5n 2006, 2008);
- **TNG NICS** – NIR imaging of dwarf galaxies in nearby clusters (4n 2010);
- **INT** – Follow-up and discovery of NEAs and MBAs (60n 2009-2021);
- **INT** – Light-curves of NEAs (30n 2013-2019);
- **INT** – H $\alpha$  imaging of galaxy clusters (10n, 2009-2010)
- **INT** – Student training, discretionary tasks, other collaborations (100n 2012-2021);
- **ESO/MPG WFI** – Follow-up and discovery of NEAs and MBAs (3n 2008);
- **OAN-SPM 2.1m** – NIR imaging of BCDs in Virgo and dIs in Local Volume (21n 2001–2004);
- **David Dunlap 1.9m**, University of Toronto – Spectroscopy of AGNs (5n, 2002 & 2003);
- **Mercator** – Light-curves of NEAs (20n, 2014-2015);
- **Haute Provence 1.2m** – Follow up of NEAs & PHAs (6n 2007; 5n 2010);
- **Pic du Midi 1m** – Follow up of NEAs & PHAs (9n 2006);
- **ESO 1m La Silla** – Inspection of the ESO1m telescope and observations of NEAs (3n 2007);
- **CTIO 1m** – Follow-up and photometry of binary NEAs and MBAs (10n 2008);
- **OCIW Swope 1m** – Follow-up and photometry of NEAs (15n 2008, 2009);
- **ESA-OGS 1m**, Tenerife – Light-curves of NEAs (PI of 30n, 2015A);
- **IAC80 0.8m**, Tenerife – Light-curves of NEAs (PI of 30n, 2015A);
- **Cerro Armazones 0.84m** – Inspection of the telescope, observations of NEAs (3n 2007);
- **York University 0.6m**, Toronto – Astrometry of Near Earth Asteroids (10n 2002-2004);
- **York University 0.6m**, Toronto – Graduate observing projects: H $\alpha$  photometry of the planetary nebula NGC 2392; Photometry of the open cluster NGC 663 (2000-2001);
- **Cerro Armazones 0.4m** – Cataclismic variable stars (7n 2007);
- **Romanian Astronomical Institute 2x0.4m**, Bucharest – Astrometry & Photometry of planetary satellites, asteroids, and comets (50n 1993 – 1997);
- **Romanian Astronomical Institute 0.2m** Meridian Refractor, Bucharest – Star Catalogs;

**TEACHING POSITIONS:**

- **Nov 2021 – present – PhD Supervisor (co-tutele)** – “*Physical Properties of Star-Forming Galaxies in Clusters from Wide-Field Surveys*”, student Llanos Martinez, University of Granada, Spain, co-tutele with Dr. Jose Manuel Vilchez & Dr. Jorge Iglesias Paramo;
- **Sep 2020 – present – PhD Supervisor** – “*Physical Properties of Near Earth Asteroids*”, student Radu Gherase, University of Craiova, Romania, collaboration with Dr. Marcel Popescu;
- **Sep 2018 – Sep 2020 – PhD Supervisor (co-tutele)** – “*Asteroid Detection via Synthetic Tracking*”, student Roxana Sichitiu, University of West Timisoara and University of Craiova, Romania, co-tutele Assoc. Prof. Marc Frincu;
- **Sep 2017 – present – PhD Supervisor** – “*Properties of Dwarf Elliptical Galaxies*”, student Viktoria Pinter, University of Craiova, Romania;
- **2015 – 2022 – Consultant PhD thesis** “*Visual Analysis Techniques of Space Multi-Dimensional Data*”, student Denisa Copandean, PhD supervisor Prof. Dorian Gorgan, Technical University of Cluj-Napoca, Romania;

- **2015 - 2017 - Consultant PhD thesis** "Contributions to the Knowledge of Physical Properties of Near Earth Asteroids Observed within the EURONEAR Project", student Marian Predatu, PhD supervisor Prof. Radu Constantinescu, University of Craiova, Romania;
- **2013 - 2020 - Studentship Program Manager** of the Isaac Newton Group, La Palma, Canary, in charge of selection, training, management and scientific advising for 6-8 annual students working part of the [ING internship program](#);
- **2008 (Mar-Dec) - Professor Associate**, Scientific Advisor and Practical Astronomy class, [Institute of Astronomy](#), Universidad Catolica del Norte, Antofagasta, Chile;
- **2003 (May-Jun), 2003-2004 (May-Jun), 2004/2005 (Sep-Apr), 2005 (Sep-Dec) - Professor Associate**, Astronomy SCIE 013 class, [Humber College](#), Toronto, Canada;
- **2000 - 2005 - Teaching Assistant** (Astronomy NATS 1740 & AK/NATS 1720), [York University](#), Toronto, Canada;
- **1997 - Professor Associate** (Computer Science), [Ion Barbu High School](#), Bucharest, Romania;
- **1995 - 1997 - Professor Associate** (Astronomy & Computer Science), [Miron Nicolescu College](#), Bucharest, Romania.

#### OTHER WORK EXPERIENCE:

- **2020 - Present - Co-founder**, AstroFarm La Palma (Sociedad Limitada, in partnership with Dr. Richard Ashley), La Palma;
- **2008 - Present - Coordinator Astronomer**, [Astro Travels](#) (small business), La Palma;
- **1998 - 2001 - Software Developer**, [Financial Models Company](#), Toronto, Canada;
- **1997 - 1998 - Software Developer**, International Programmers Guild, Mississauga, Canada;
- **1998 - 1999 - Project Leader**, [EuRo Eclipse 99](#), Total Solar Eclipse 99 (small business), Canada.

#### EXPERIENCE IN COMPUTERS:

- Operating Systems: Linux, UNIX, Windows, MSDOS, Alpha/Open VMS;
- Programming: Delphi, Turbo Pascal, Python, C/C++, Turbo C++, FORTRAN;
- Image Acquisition and Processing: IRAF, THELI, SExtractor, IDL, Astrol, QMiPS, WinMips;
- Internet Applications and Development: PHP, Perl, CGI, HTML, Java Script;
- Relational Data Bases: Sybase, SQL, Access, D-Base.

#### Astronomical Software Development:

- [CERES](#) - Machine learning module to improve automated detection of asteroids - Project funded by the Executive Agency for Higher Education, Research, Development and Innovation (UEFISCDI, 2020-2022, 120 KE), involving a team of professors from Technical University of Cluj-Napoca and University of Craiova, Romania;
- [NEARBY](#) - Cloud platform for automated asteroid detection in astronomical surveys - Project funded by the Romanian Space Agency (ROSA - ESA-SSA, 2017-2019, 180 KE), involving a team of professors and one PhD student from Technical University of Cluj-Napoca and University of Craiova, Romania. Presented in the following conferences and papers:
  - o Vaduvescu, O, Gorgan, D, Copandean, D, et al., 2021: Ready for EURONEAR NEA surveys using the NEARBY moving source detection platform, New Astronomy, 8801600V (link [website](#));
  - o Gorgan, D. and Vaduvescu, O, 2019: *The NEARBY Platform for Automatic Asteroid Detection and EURONEAR Surveys*, ESA NEO and Debris Detection Conference - Exploiting Synergies, 22-24 Jan 2019, Darmstadt, Germany ([oral presentation](#) and paper link [arXiv](#));
  - o Copandean, D., Nandra, C., Gorgan, D. & Vaduvescu, O., 2018: *Asteroids Detection Technique: Classic Blink An Automated Approach*, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), May 24-26 2018, Cluj-Napoca, Romania (link [arXiv](#));
  - o Copandean, D., Vaduvescu, O., Gorgan, D., 2017: *Automated Prototype for Asteroids Detection*, 13th IEEE International Conference on Intelligent Computer

- Communication and Processing (ICCP), September 7 - 9, 2017, Cluj-Napoca, Romania (link [arXiv](#));
- o Stefanut, T, Bacu, V., Nandra, C., Balasz, D., Gorgan, D. and Vaduvescu, O., 2018: *NEARBY Platform: Algorithm for Automated Asteroids Detection in Astronomical Images*, IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), September 6 - 8, 2018, Cluj-Napoca, Romania (link [arXiv](#));
  - o Bacu, V., Sabou, A., Stefanut, T., Gorgan D. and Vaduvescu, O., 2018: *NEARBY Platform for Detecting Asteroids in Astronomical Images Using Cloud-based Containerized Applications*, IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), September 6 - 8, 2018, Cluj-Napoca, Romania (link [arXiv](#));
- Coding about 60 astronomy software (more than 50,000 coding lines) in Pascal/Delphi, C/C++, PHP, IRAF, FORTRAN, Python under MSDOS, Windows, Linux and UNIX. A list with brief description is available [online](#);
  - [Celestial Maps](#) (1992 - 2005; Vaduvescu, O., in collaborators with Birlan, M., AIRA & IMCCE Paris, and Lucian Curelaru, Romania): released in 10 versions: v.1-5 developed in Romania in Turbo Pascal, versions 7-10 in Canada in Delphi. Descriptions and some downloads available [online](#); The package (560 MB on a CD-ROM) maps celestial sources under five types of projections using 15 off-line catalogues (SAO, PPM, Tycho-2, GSC 1.1, NGC 2000, etc) plus other four online via Vizier (GSC 2, USNO-A2, USNO-B1, 2MASS), also overlying the DSS atlas via CADC or STScI;

Few Achievements and Patents:

- In April 1994, Celestial Maps v.3.1 was contracted by *La Maison de l'Astronomie*, Paris, Astro News 37, 1994 (scan [here](#));
  - Between 1996-1999 Celestial Maps v.4.5 computer aided graphics The Astronomical Yearbook, The Astronomical Institute and Romanian Academy Printing House in Bucharest;
  - In March 1998 Celestial Maps v.5.0 was published with [ASDS](#) (Astronomical Software Documentation Service, NASA Astrophysics Data Program);
  - Vaduvescu, O, Curelaru, L., & Grigore, V., 2001 - Celestial Maps v.8.0 was employed to publish *The Map of the Northern Sky* by SARM, website [here](#).
  - Starting by 2004, Celestial Maps 10 has become the only software to access the catalogs USNO-A2, USNO-B1, GSC 2.2, 2MASS (via Vizier), the DSS atlas server (via CADC or STScI), and ASTORB asteroid orbit catalog (using a numerical integrator), thus being capable to assist in guiding large and very large telescopes in observations.
- Computer aided graphics and publishing The Astronomical Yearbook, The Astronomical Institute, The Romanian Academy of Sciences Publishing House.
  - Contributions in setting and system administration of a few servers:
    - DELL, 2 processors Intel Six Core Xeon, 24 GB, HDDs 2x3 TB, running Linux (2018-present, Craiova, Romania - EURONEAR mirror server <https://s141.central.ucv.ro>)
    - HP ProLiant micro serverGen8, 2 cores, 120 GB SSD, HDDs 2x4 TB, running Linux (2016-present, Brasov, Romania - EURONEAR main server [www.euronear.org](http://www.euronear.org))
    - Apple XServ Raid, 4 GB RAM, 1 TB HD, running OS X (2004-2005, Canada);
    - DEL PowerEdge 460 Server, 2 GB RAM, 450 GB HD running Linux (2001-2005, Canada);
    - Pentium IV and III (3 PCs), running Windows and Linux (2000-2005, Canada);
    - Silicon Graphics Challenge & INDY Graphic Workstation SGI UNIX (1995-1997, Romania).

**OTHER VOCATIONAL ACTIVITIES:**

- 2019 - 2021 - Science Referee for the Spanish Time Allocation Committee (IAC telescopes of Canarias, review of about 100 proposals during 4 semesters);
- 2018 - 2019 - Science Referee for the Subaru Telescope Time Allocation Committee (review of 14 Solar System proposals);
- 2018 - Science Referee for the Chilean FONDECYT Funding Allocation Committee (review of one proposal);
- 2019 - present - Offering stargazing [experiences](#) to La Palma tourists (part time);
- 2018 - Award The Romanian Occident, *Gala Premiilor de Excelenta*, Ed. III-a, 2018, *Anul Centenar al Marii Uniri, Premiu de excelenta pentru realizari profesionale si promovarea imaginii Romaniei* (association [article](#) in Romanian);
- 2015 - Present: Member of the International Astronomical Union ([IAU](#), Spain);
- 2014 - 2018: Discovery of the first 11 Near Earth Asteroids from La Palma (ING [news](#));
- 2012 - 2015: Manager of the Isaac Newton Telescope (INT 2.5m);
- 2013 - 2014: Science collaborator of MSc graduate Vlad Tudor (ING and Leicester University UK);
- 2009 - present: Instrument specialist [WFC](#) mosaic camera (WFC, INT PF)
- 2009 - 2018: Instrument ING contact specialist [PAUCam](#) mosaic camera (WHT PF);
- 2010 - 2014: Instrument specialist [PFIP](#) camera (WHT PF, in two versions);
- 2021: Instrument specialist [PF-QHY](#) CMOS camera (WHT PF)
- 2010 - 2011: Instrument specialist [IDS](#) long-slit double arm spectrograph (IDS, INT Cass);
- 2022 - Member of the board of the PhD thesis defence of Denisa Copandean, Technical University of Cluj-Napoca, Romania (thesis director Prof. Dr. Dorian Gorgan, UTCN Romania);
- 2012 - Member of the board of the MSc thesis defence of Angie Barr, Universidad Catolica del Norte, Chile (thesis director Prof. Rolf Chini, Buchum University, Germany);
- 2011 - 2012: Organizer of the International Meteor Conference 2012 ([IMC 2012](#)), 15-23 Sep 2012, collaboration between Astro Travels (small business), insular government Cabildo of La Palma and [IMO](#);
- 2010 - 2018: Via [Astro Travels](#) organising 10 expeditions and conferences in La Palma and Tenerife for a total of 500+ amateur astronomers, professors, public outreach people, professional astronomers and astro-tourists, including 200 Romanian amateurs (7 expeditions), 100 Finish high-school students (3 expeditions), the IMC 2012 conference (120 people) and science expeditions from Slovakia and Japan;
- 2007 - 2008: Representative of the Universidad Catolica del Norte (Chile) for the LSST Science Collaboration (Galaxies and Solar System groups);
- 2006 - present: Leader of the *European Near Earth Asteroids Research* project ([EURONEAR](#));
- 2008 - present: Discoverer and co-discoverer of about 250 asteroids based on observations with ESO/MPG 2.2m in La Silla, Blanco 4m in Cerro Tololo, INT 2.5m in La Palma; and Swope 1m in Las Campanas (teamwork including about 10 students and amateur astronomers);
- 2011-2021 - Proposing 12 Romanian names of astronomers and amateurs to be given to main belt asteroids discovered by EURONEAR with the ESO/MPG telescope (2008) and ING/INT telescope (2009-present); (263516) [Alexescu](#), (257005) [ArpadPal](#), (320790) [Anestin](#), (330634) [Boico](#), (346261) [Alexandrescu](#), (450931) [Coculescu](#), (358894) [Demetrescu](#), (365761) [Popovici](#), (369088) [Marcus](#), (557045) [Nadolschi](#), (572217) [Dramba](#) and (555152) [Oproiu](#).
- 2007 - present: Scientific advisor (volunteer, collaborations conducted mostly via internet) of 15 Romanian students from Bucharest and Cluj-Napoca Universities (4 of them PhD and MSc students now in Bonn and Armagh), and amateur astronomers from SARM, Bucharest and Brasov Astroclubs, Galati Observatory, etc.
- 2008 - Scientific advisor of BSc students Francisco Pozo & Angie Bar, Universidad Catolica del Norte, Chile;
- 2007 - 2008: Manager of the Observatorio Cerro Armazones, Institute of Astronomy, Universidad Catolica del Norte, Chile;
- 1985 - present: Public outreach lecturer in astronomy meetings, participation in observational camps, co-organizer of youth astronomical competitions, mass-media talks, conferences & press releases, member of SARM (1993-Present), Bucharest Astroclub (1991-2002), RASC Toronto Centre (1997-2000), IA/UCN Chile (2007-2008);
- 1998 - 1999: Co-organizer of [EuRo Eclipse 99](#). About 250 amateurs and professionals (170 from abroad) observed with this project the Total Solar Eclipse on 11 August 1999 in Romania (collaboration with SARM & Romantic Travel);
- 1996: MSc thesis co-advisor of student Paul Anca, University of Sibiu, Romania.

**PUBLICATIONS:**[325 ADS references](#)[82 refereed publications](#)[31 first author refereed papers](#)

1608 citations total

1361 refereed citations of refereed papers

229 refereed citations of first author refereed papers

255 referred citations of first author refereed papers

**Dwarf Galaxies (Principal Investigator):**

- Vaduvescu, O., Petropoulou, V., Reverte, D., Pinter, V., 2018: Studying star forming dwarf galaxies in Abell 779, Abell 1367, Coma, and Hercules clusters, *A&A* 616, 165 (link [ADS](#));
- Vaduvescu, O., Kehrig, C., Smith-Castelli, A., Bassino, L., Calderon, J. P., 2014: *Searching for Star Forming Galaxies in the Antlia Cluster*, *A&A* 563, 118 (link [ADS](#));
- McCall, M. L., Vaduvescu, O., Pozo Nunez, F., Barr Dominguez, A., Fingerhut, R., Unda-Sanzana, E., Li Bintao, Albrecht, M., 2012, *A&A*, 540, 49, *Fundamentals of the Dwarf Fundamental Plane*; (link [ADS](#));
- Vaduvescu, O., Kehrig, C., Vilchez, J. M., Unda-Sanzana, E., 2011, *A&A* 533, 65 – *Searching for Star-Forming Galaxies in the Fornax and Hydra Clusters* (link [ADS](#));
- Fingerhut, L. R., McCall, M. L., Argote, M., Cluver, M. E., Nishiyama, S., Rekola, R. T. F., Richer, M. R., Vaduvescu, O., Woudt, P. A., 2010, *Apj* 716, 792 – *Deep Near-Infrared Surface Photometry of 80 Dwarf Irregular Galaxies in the Local Volume* (link [ADS](#));
- Vaduvescu, O. & McCall, M., 2008, *A&A* 487, 147 – *The Fundamental Plane of Dwarf Irregular Galaxies* (link [ADS](#));
- Vaduvescu, O., McCall, M. L., & Richer, M., 2007, *Aj*, 134, p. 604 – *Chemical Properties of Star Forming Dwarf Galaxies* (link [ADS](#) or [here](#));
- Vaduvescu, O., McCall, M. L., & Richer, M., 2005, *Aj*, 131. p. 1318 – *Properties of Star Forming Dwarf Galaxies: II. Blue Compact Dwarf Galaxies in the Virgo Cluster* (link [ADS](#) or [here](#));
- Vaduvescu, O., McCall, M., Richer, M., & Fingerhut, R., 2004, *Aj*, 130, p. 1593 – *Properties of Star Forming Dwarf Galaxies: I. Dwarf Irregular Galaxies in the Local Volume* (link [ADS](#) or [here](#));
- Vaduvescu, O., & McCall, M., 2004, *PASP*, 116, 821, p. 640 – *Strategies for Imaging Faint Extended Sources in the Near-Infrared* (link at [ADS](#) or [here](#));

**Near Earth Asteroids (Principal Investigator):**

- Vaduvescu, O. and other 31 co-authors, 2021: *Ready for EURONEAR NEA surveys using the NEARBY moving source detection platform*, *New Astronomy*, Vol. 88, 101600 ([website](#));
- Vaduvescu, O., and other 5 co-authors, 2021: *The EURONEAR Lightcurve Survey of Near Earth Asteroids – Teide Observatory, Tenerife, 2015*, *Earth, Moon and Planets*, 125, 2, 3 ([website](#));
- Vaduvescu, O., Curelaru, L., Popescu, M. Danila, B. & Ciobanu, D., 2020: *Dozens of Virtual Impactor Orbits Eliminated by the EURONEAR VIMP DECam Datamining Project*, *Astronomy and Astrophysics*, 642, A35 (link [ADS](#));
- Vaduvescu, O., Curelaru, L. and Popescu, M., 2020: *Mega-Archive and the EURONEAR Tools for Datamining World Astronomical Images*, *Astronomy and Computing*, 30, 100356 ([web](#));
- Vaduvescu, O. and 82 co-authors, 2018: *280 one-opposition near-Earth asteroids recovered by the EURONEAR with the Isaac Newton Telescope*, *A&A* 609, 105 (link [ADS](#));
- Vaduvescu, O. & Aznar Macias, A., 2018: *Lightcurve of NEA 1993RA*, *Minor Planet Bull.* 45, 96 ([ADS](#));
- Vaduvescu, O. and 26 co-authors, 2017: *The EURONEAR Lightcurve Survey of Near Earth Asteroids*, *Earth, Moon, Planets*, 120, 41 (link [ADS](#));
- Vaduvescu, O. and 15 co-authors, 2017: *Data mining of NEAs in the Subaru Suprime-Cam archive*, *Astron. Nachr.*, 338, 572 (link [ADS](#));

- Aznar, A., Predatu, M., Vaduvescu, O. and Oey, J., 2017: *EURONEAR - First Lightcurves and Physical Properties of Near Earth Asteroids*, Romanian Journal of Physics, Vol. 62, Nr. 7-8 (link [arXiv](#));
- Vaduvescu, O. and 53 co-authors, 2015: *First EURONEAR NEA discoveries from La Palma using the INT*, MNRAS 449, 1614 (link [ADS](#));
- Vaduvescu, O. and 38 co-authors, 2013: *739 observed NEAs and new 2-4m survey statistics within the EURONEAR network*, P&SS 85, 299 (link [ADS](#));
- Vaduvescu, O. and 14 co-authors, 2013: *Mining the ESO WFI and INT WFC archives for known Near Earth Asteroids. Mega-Precovery software*, Astron. Nachr., 334, 718 (link [ADS](#));
- Vaduvescu, O. and 20 co-authors, 2011: *EURONEAR - Recovery, Follow-up and Discovery of NEAs and MBAs using Large Field 1-2m Telescopes*, P&SS 59, 1632 (link [ADS](#));
- Vaduvescu, O., Tudorica, A., Birlan, M., Toma, R., Badea, M., Dumitru, D., Opriseanu, C., Vidican, D., 2011, Astron. Nachr., 332, 6., 580, *Mining the CFHT Legacy Survey for known Near Earth Asteroids* (link [ADS](#));
- Birlan, M., Vaduvescu, O. and 19 co-authors, 2010, A&A 511A, 40 - *More than 160 Near Earth Asteroids observed in the EURONEAR Network*, (link [ADS](#));
- Vaduvescu, O., Curelaru, L., Birlan, M., Bocsa, G., & Tudorica, A., Berthier, J., 2009 - *EURONEAR - Data Mining of Asteroids and Near Earth Asteroids*, Astron. Nachr. 330, 698 (link [ADS](#));
- Vaduvescu, O., Birlan, M., Colas, F., Nedelcu, A., & Sonka, A., 2008, P&SS 56, 1913 - *EURONEAR - First Results* (link [ADS](#));
- More than 50,000 positions of more than 10,000 minor planets and about 2000 NEAs (follow-up, recovery and discovery) published in more than 150 Minor Planet Circulars and Minor Planet Electronic Circulars observed by EURONEAR since 2006 (link [ADS](#));
- Birlan, M., Vaduvescu, O., Nedelcu, A., EURONEAR Team, 2010, RoAJ 20, 119 - *High-Precision Astrometry of NEAs via EURONEAR Observations* ([ADS](#) link);
- Vaduvescu, O., & Birlan, M., 2006, RoAJ 16/2, p. 201 - *Planning Near Earth Asteroid Observations on a 1m Class Telescope*, ([astro-ph/0702027](#));
- Vaduvescu, O., 2004 & 2005, RoAJ 14/2, 2004 and 15/1, 2005 - *Observing Near Earth Asteroids with a Small Telescope*, Romanian ([astro-ph/0504231](#));

Other Publications (Principal Investigator):

- Vaduvescu, O., 2020, Nature 578, 7794, 217 - *Romanian needs its astronomers back* ([web](#));
- Vaduvescu, O., 2004, [Arxiv](#) - *An Astronomical View-point on the Easter Date*;
- Vaduvescu, O., 2000, RASC Journal, 94-1, 32 - *EuRo Eclipse 99*;
- Vaduvescu, O., Stefanescu, G., & Birlan, M., 1998, RoAJ, 8/1 - *CCD and Photographic Observations of The Comet C/1996 B2 (Hyakutake)* (link [here](#));
- Vaduvescu, O., 1996, RoAJ, 6/1- *Package for Preparing and Processing an Astronomical Observation*;
- Vass, G., Stefanescu, G., & Vaduvescu, O., 1996, RoAJ, 6/2 - *Measurement and Astrometric Reduction of CCD Images in Bucharest*;
- Vaduvescu, O., 1996, Occultation Newsletter (IOTA), 6/12 - *Appulses to PPM Stars of the Comet C/1996 O1 (Hale-Bopp)*;
- Vaduvescu, O., 1995, 1996, European Asteroidal Occultation Network Information Bulletins, 20 & 21.
- Vaduvescu, O. & Soulie, E., 1994, Obs Travaux, 40, 23 - *Paques Orthodoxe et Calendrier Gregorien*;
- Vaduvescu, O., 1993, The Astronomical Yearbook, The Astronomical Institute and Romanian Academy, *Study on the Easter Date* (in Romanian);

Other Refereed Publications (Collaborations as co-investigator, mostly observational or via IAC institutional affiliation): Near Earth Asteroids, Binary and Paired Asteroids, Main Belt Comets, Novae/Supernovae, Gamma Ray Bursts, GEM-EUSO mission, others.

- Simion, N., Popescu, M. and other 4 co-authors, 2021: *Spectral properties of near-Earth objects with low-Jovian Tisserand invariant*, MNRAS 508, 1, 1128 ([ADS link](#));
- Stanescu, M. and Vaduvescu, O., 2021: *The Umbrella software suite for automated asteroid detection*, Astronomy and Computing, 35, 100453 ([website](#));
- Popescu, M. and other 10 co-authors, 2020: *Physical characterization of 2020 AV2, the first known asteroid orbiting inside Venus orbit*, MNRAS 496, 3, 3572 ([ADS](#));

- Mongulo, M. and other 50 co-authors, 2020: *IGAPS: the merged IPHAS and UVEX optical surveys of the northern Galactic plane*, A&A 368, 18 ([ADS](#));
- Popescu, M., Vaduvescu, O. and other 15 co-authors, 2019: *Near-Earth asteroids spectroscopic survey at Isaac Newton Telescope*, A&A 627, 124, 2019 ([website](#));
- Curelaru, L, Popescu, M. and Vaduvescu, O., 2019: *A Set of Data Mining Tools for Double Stars, Measurements Using the EURONEAR Mega-Archive*, Journal of Double Star Observations, 15, 1 ([journal](#));
- Aznar Macias, A. and other 14 co-authors, 2019: *Physical properties of PHA 2014 JO25 from a worldwide observational campaign*, MNRAS 483, 4820 (link [ADS](#));
- Licandro, J. and other 6 co-authors, 2018: *The visible and near-infrared spectra of asteroids in cometary orbits*, A&A 618, A170 ([ADS link](#));
- Boldea, A. and Vaduvescu, O., 2018 - *Teaching students about informatics and astronomy using real data for detection of asteroids*, European Journal of Physics, vol. 38, nr. 5 (link [arXiv](#));
- Abdellaoui, G. and other 314 authors, 2019: *Ultra-violet imaging of the night-time earth by EUSO-Balloon towards space-based ultra-high energy cosmic ray observations*, Astroparticle Physics 111, 54 (link [ADS](#));
- Abdellaoui, G. and other 320 authors, 2018: *First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere*, Journal of Instrumentation, Vol. 13/5, p. P05023 (link [ADS](#));
- Valley, P. and other 21 co-authors, 2016: *Supernova 2014J at M82 - II. Direct analysis of a middle-class Type Ia supernova*, MNRAS 460, 1614 (link [ADS](#));
- Abdellaoui, G., and other 313 co-authors, 2018: *EUSO-TA - First results from a ground-based EUSO telescope*, Astroparticle Physics 102, 98 (link [ADS](#));
- Abdellaoui, G., and other 359 co-authors, 2017: *Meteor studies in the framework of the JEM-EUSO program*, Planetary and Space Science 143, 245 (link [ADS](#));
- Birlan, M. and other 14 co-authors, 2016: *Romania observed from Romania: an educational program for observing asteroid (7698) Romania during its 2015 opposition*, RoAJ 26, 169 (link [ADS](#));
- Galbany, L. and other 23 co-authors, 2016: *SN 2014J at M82 - I. A middle-class Type Ia supernova by all spectroscopic metrics*, MNRAS 457, 525 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO*, ExA 40, 315 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Ground-based tests of JEM-EUSO components at the Telescope Array site, "EUSO-TA"*, ExA 40, 301 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The EUSO-Balloon pathfinder*, ExA 40, 281 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *JEM-EUSO: Meteor and nuclearite observations*, 2015 ExA 40, 253, (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Science of atmospheric phenomena with JEM-EUSO*, ExA 40, 239 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Ultra high energy photons and neutrinos with JEM-EUSO*, ExA 40, 215A (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Performances of JEM-EUSO: energy and X max reconstruction*, ExA 40, 183 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Performances of JEM-EUSO: angular reconstruction. The JEM-EUSO Collaboration*, ExA 40, 153 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The JEM-EUSO observation in cloudy conditions*, ExA 40, 135 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *JEM-EUSO observational technique and exposure*, ExA 40, 117 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *Calibration aspects of the JEM-EUSO mission*, ExA 40, 91 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The infrared camera onboard JEM-EUSO*, ExA 40, 61 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The atmospheric monitoring system of the JEM-EUSO instrument*, ExA 40, 45 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The JEM-EUSO instrument*, ExA 40, 19 (link [ADS](#));
- Adams, J. H. and other 287 co-authors, 2015: *The JEM-EUSO mission: An introduction*, ExA 40, 3 (link [ADS](#));



- Thuillot, W. and other 73 co-authors incl. Vaduvescu, O., 2015, *The astrometric Gaia-FUNSSO observation campaign of 99942 Apophis*, A&A 583, 59 (link [ADS](#));
- Birlan, M. and other 11 co-authors incl. Vaduvescu, O., 2015, *Characterization of (357439) 2004 BL86 on its close approach to Earth in 2015*, A&A 581, 3 (link [ADS](#));
- Hornoch, K., Vaduvescu, O. and other co-authors (ING students observers), 21 Astronomical Telegrams publishing discoveries and confirmations of novae in M81 and M31 galaxies 2012-2015, ATel (link [ADS](#));
- Christou, A., Vaduvescu, O., Tudor, V., Asher, D., Toma, R., Knapen, J., 2014, *New Martian Trojans and an update on the Eureka cluster*, ACM 2014 conference, Helsinki, Finland (link [ADS](#));
- Norris, M. A., and 19 co-authors incl. Vaduvescu, O., 2014, *The AIMSS Project - I. Bridging the star cluster-galaxy divide*, MNRAS 443, 1151 (link [ADS](#));
- Levan, A. and 41 co-authors incl. Vaduvescu, O., 2014, *A New Population of Ultra-long Duration Gamma-Ray Bursts*, ApJ 781, 13 (link [ADS](#));
- Moreno, F.; Cabrera-Lavers, A.; Vaduvescu, O.; Licandro, J.; Pozuelos, F., 2013, ApJ 770, 30, *The Dust Environment of Main-Belt Comet P/2012 T1 (PANSTARRS)* (link [ADS](#));
- Adams, J. H. et al, 2013, *Astroparticle Physics* 44, 76, *An evaluation of the exposure in nadir observation of the JEM-EUSO mission* (link [ADS](#));
- Wiersema, K., Vaduvescu, O., Tanvir, N., Levan, A., Hartoog, O., 2013, *GRB Coordinates Network, Circular Service*, 14617, 1, *GRB 130427A: host galaxy observations* (link [ADS](#));
- Pravec, P. and 41 co-authors incl. Vaduvescu, O., 2011, *Icarus* 218, 125, *Binary Asteroid Population. 2. Anisotropic distribution of orbit poles of small, inner main-belt binaries* (link [ADS](#));
- Moreno, F. and 8 co-authors incl. Vaduvescu, O., 2011, ApJ 738, 130, (596) *Scheila in outburst: a probable collision event in the Main Belt Asteroid Belt* (link [ADS](#));
- Levan, A. and 62 co-authors incl. Vaduvescu, O., 2011, *Science*, 333, 199, *An Extremely Luminous Panchromatic Outburst from the Nucleus of a Distant Galaxy* (link [ADS](#));
- Cano, Z. and 73 co-authors incl. Vaduvescu, O., et al., 2011, MNRAS 413, 669, *A tale of two GRB-SNe at a common redshift of z=0.54* (link [ADS](#));
- Pravec, P. and 25 co-authors incl. Vaduvescu, O., 2010, *Nature* 466, 1085 - *Formation of asteroid pairs by rotational fission* (link [ADS](#));
- Moreno, F. and 11 co-authors incl. Vaduvescu, O., 2010, ApJ 718L, 132 - *Water-ice driven activity on Main-Belt Comet P/2010 A2 (LINEAR)?* (link [ADS](#));
- Gilbert, A. Wiegert, P., Unda-Sanzana, E., Vaduvescu, O., 2009, MNRAS 401, 2399 - *Spectroscopic Observations of New Oort Cloud Comet 2006 VZ13 and Four Other Comets* (link [ADS](#));
- Birlan, M., and 9 co-authors incl. Vaduvescu, O., 2008 - *Photometric and astrometric analysis of a mutual event between the uranian satellites Miranda and Oberon*, *Astron. Nachr* 329, 567 (link [ADS](#));
- Popescu, P. et al., 1993 - *Bright Star Catalogue*, Romanian Academy Printing House, Bucharest.

#### **CONFERENCES, MEETINGS, SEMINARS:**

- Vaduvescu, O., Popescu, M., Curelaru, L. and Danila, B., 2019: *Eliminating Virtual Impactor Asteroids with Mega-Precovery (VIMP)*, EPSC-DPS 13, 867V, Geneva, Switzerland (link);
- Popescu, M., et al., 2019: *Spectral and spectro-photometric characterization of NEOs at the Canary Islands Observatories*, EPSC-DPS 13, 1335P, Geneva, Switzerland (Sep 2019);
- Vaduvescu, O., 2019: *Asteroides cercanos a la Tierra y el proyecto EURONEAR*, Asteroid Day, Planetario de Castellon, Spain (link);
- Aznar, A., 2016: *Diez anos de contribucion a la investigacion de los NEAs*, *Spanish Astronomía* magazine, Oct 2016;
- Vaduvescu, O., 2016: *The EURONEAR Contribution to the European NEO Research*, ESA First European Asteroid Observers Meeting (proceedings [here](#));
- Tudor, V. and Vaduvescu, O., 2015: *A comparison of the photometric and fundamental planes of dwarf ellipticals*, poster The European week of Astronomy and Space Sciences (EWASS 2015), Tenerife (link [KUONI](#));
- Vaduvescu, O., et al, 2014: *Around 1500 near-Earth-asteroid orbits improved via EURONEAR*, ACM 2014 conference, Helsinki, Finland (link [ADS](#));
- Vaduvescu, O., et al., 2014: *Physical properties of near-Earth asteroids are scrutinized via EURONEAR*, ACM 2014, Helsinki, Finland (link [ADS](#));

- Popescu, M., Vaduvescu, O., Char, F., Curelaru, L., Euronear Team, 2014: *Mega-precovery and data mining of near-Earth asteroids and other Solar System objects*, ACM 2014, Helsinki, Finland (link [ADS](#));
- Vaduvescu, O., Dominguez Palmero, L., Benn, C., 2014: *The ING Studentship, INT Support, and Research Programme*, ACM 2014 conference, Helsinki, Finland (link [ADS](#));
- Char, F., Vaduvescu, O., Popescu, M., 2013: *Exploring the solar system with Mega-Precovery data mining server: strengthening our database and functionalities*, poster BAAA Argentina, vol. 56, p. 411 (link [ADS](#));
- Vaduvescu, O., 2013: *EURONEAR*, oral communication, International Primitive body Exploration Working Group, May 29-31 2013, Nice, France (website [link](#));
- Vaduvescu, O., 2012: *My Successful EURONEAR Collaboration with Students and Amateur Astronomers*, La Palma, oral communication, IMC 2012 conference; (website [link](#));
- Vaduvescu, O. and 14 co-authors: *Data Mining the SuprimeCam Archive for Near Earth Asteroids*, poster contribution, Asteroids, Comets, Meteors 2012, Proceedings of the conference held May 16-20, 2012 in Niigata, Japan. LPI Contribution No. 1667, id.6235 (link [ADS](#));
- Moreno, F., and 10 co-authors incl. Vaduvescu, O., 2011: *Activity in main-belt asteroid P/2010 A2*, Highlights of Spanish Astrophysics VI, Proceedings of the IX Scientific Meeting of the Spanish Astronomical Society (SEA), held in Madrid, September 13 - 17, 2010, Eds.: M. R. Zapatero Osorio, J. Gorgas, J. Maíz Apellániz, J. R. Pardo, and A. Gil de Paz., p. 587-592 (link [ADS](#));
- Pravec, P.; and 39 co-authors incl. Vaduvescu, O., 2011: *Anisotropic distribution of orbit poles of binary asteroids*, EPSC-DPS Joint Meeting 2011, held 2-7 October 2011 in Nantes, France (link [ADS](#));
- Moreno, F. and 8 co-authors incl. Vaduvescu, O., 2011: *(596) Scheila in outburst: A probable collision event in the Main Asteroid Belt*, EPSC-DPS Joint Meeting 2011, 2-7 Oct 2011 in Nantes, France (link [ADS](#));
- Grigore, V., Minti, H. Vaduvescu, O., 2011: *Columna TV, Noi si Cerul (4 shows)*, *Problems of the Modern Romanian Astronomy: TELEROM* (link [ADS](#) and [YOUTUBE](#) in Romanian);
- Vaduvescu, O., 2010: *Chairing the Workshop The Romanian Astronomy in the Present Context, the Diaspora Conference in Research and Superior Education in Romania*, Bucharest 21-25 Sep 2010 (website [link](#));
- Tudorica, A., et al., incl Vaduvescu, O., 2010: *EURONEAR - The first 200's NEAs observed*, Young Scientists' Conference on Astronomy and Space Physics, April 26 - May 1, 2010, Kyev, Ukraine;
- Scheeres, D. J., Pravec, P., Vokrouhlicky, D., Polishook, D., Harris, A. W., Galad, A., Vaduvescu, O., et al, 2010: *Asteroid Pairs Formed by Rotational Fission*, AAS, DDA meeting 41, 2.06, Bulletin of the American Astronomical Society, Vol. 41, p.926 ([ADS](#) link);
- Pravec, P., Vokrouhlicky, D., Polishook, D., Harris, A. W., Galad, A., Vaduvescu, O., et al, 2009: *Primary Rotations of Paired Asteroids*, AAS DPS Meeting 41, 56.06 ([ADS](#) link);
- Birlan, M., Vaduvescu, O., & EURONEAR Team, 2009: *EURONEAR - Discovery, recovery, and precovery of NEAs as network activities*, 1st IAA Planetary Defense Conference: Protecting Earth from Asteroids, Apr 27-30, Granada;
- Tudorica, A., Birlan, M., Vaduvescu, O., Toma, R., Sonka, A., Nedelcu, A., & the EURONEAR Team, 2008: *EURONEAR - The First 100 Observed NEAs*, AAS DPS, Ithaca ([ADS](#) link);
- Sonka, B., Vaduvescu, O. et al 2007: *New Astrometry for NEOs in the frame of EURONEAR*, AAS DPS Meeting 39, 51.07, Orlando, Oct 7 - 12, 2007 (abstract [ADS](#));
- Vaduvescu, O., Curelaru, L. 2007: *Mining NEAs and Asteroids in the CFHTLS*, CFHT Users' Meeting, Marseille, May 9 - 11, 2007 (abstract [CFHT](#));
- Colas, F., Birlan, M., Vaduvescu, O., Nedelcu, A., Sonka, A., 2006d: *EURONEAR - First Results at Pic du Midi*, AAS DPS Meeting 38, 58.05, Pasadena, Oct 8 - 13, 2006 (abstract [ADS](#));
- Vaduvescu, O., et al, 2006: *EURONEAR - An European Near Earth Asteroid Research Project*, XXVI-th GA IAU Prague, Aug 14 - 25, 2006, poster contribution (abstract [ADS](#));
- Vaduvescu, O: *Infrared Properties of Dwarf Galaxies*, ESO Santiago de Chile (Jul 17, 2006), and AURA (CTIO & Gemini South), La Serena, Chile (July 10, 2006);
- Vaduvescu, O. and McCall, L.M., 2005: IAU Colloquium 198, Near-field Cosmology with Dwarf Elliptical Galaxies, Les Diablerets, Switzerland, 14 - 18 March 2005 - *Dwarf Ellipticals on the Dwarf Irregular Fundamental Plane* (poster contribution, IAU 198 Proceedings, Cambridge Journals [Online](#));
- Vaduvescu, O., 2005: *Seminaires "Temps & Espace"* (IMCCE - SYRTE), Observatoire de Paris, 7 Mar 2005 - *Celestial Maps v.10* (abstract [online](#));

- Vaduvescu, O., Colas, F., Birlan, M., Nedelcu, A., Sonka, B., 2006: Journées Scientifique, IMCCE, Observatoire de Paris, 5-6 June 2006 - *Observing NEAs at Pic du Midi*;
- Vaduvescu, O., 2004: Astrometry with Small Telescopes Meeting, Bucharest, Romania - *Observing NEAs at York University Observatory*;
- McCall, M. L., et al. incl. Vaduvescu, O., 2004: *YES York Extinction Solver* (online at CADC [here](#));
- Vaduvescu, O., 2004: *1<sup>st</sup> Virtual Meeting on Amateur Astronomy*, Bellatrix Astronomical Observatory & UAI, Ceccano (FR) Italy - *Celestial Maps, a Charting Software for the Serious Astronomer* ([here](#));
- Blake, M., et al, 2003: The Doings on-line, in The Doings of the Department of Astronomy & Astrophysics, University of Toronto and The David Dunlap Observatory - *The DDO AGN Monitoring Program* ([here](#));
- Blake, M., Fingerhut, R., & Vaduvescu, O., 2003: in Cassiopeia, a publication of CASCA, 116 - *A Canadian Modest Aperture Telescope* ([here](#));
- Vaduvescu, O., 2003: Séminaires du LESIA, Observatoire de Paris, Meudon - *Infrared properties of star forming dwarf galaxies* ([here](#));
- Vaduvescu, O., & McCall, M. L., CASCA Meeting 2003: Univ. of Waterloo, ON Canada - *Strategies for Imaging Faint Extended Sources in the NIR* (poster);
- Vaduvescu, O., 1997: The V-th Workshop of Mutual Events and Astrometry of Planetary Satellites, Catania (oral contribution), abstract in Annales de Physiques - *Asteroid Appulses by Catalogue Stars. Predictions, Observations and Reductions*;
- Vaduvescu, O, 1996: COSPAR Colloquim 10, July 1996, p. 21-17, International Conference on Asteroids, Comets and Meteors (poster), *Asteroid Occultation Opportunities Observed in Bucharest*;
- Vaduvescu, O., & Birlan, M., 1994: The Second International School in Astronomy and Astrophysics, Rozhen National Observatory, Bulgaria, *The Astronomical Package Celestial Maps*;

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