



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **PETRE POPESCU**
Address(es) 050675, Str. Severeanu 23, sector 5, Bucharest, Romania
Telephone(s) 004 0211420034 Mobile: 004 0727719432
E-mail ptrpopescu@yahoo.com; petre@aira.astro.ro
Nationality Romanian
Date of birth June 23, 1947
Gender Male

Work experience

Dates	February 01, 2010 - onwards
Occupation or position held	Senior researcher I
Main activities and responsibilities	Director of the research program II: Studies of stellar dynamics and astrometry
Name and address of employer	Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4
Type of business or sector	Research & development
Dates	November 01, 1999 - February 01, 2010
Occupation or position held	Main researcher I
Main activities and responsibilities	Director of the research program II: Studies of stellar dynamics and astrometry. Head of Fundamental Astronomy Division
Name and address of employer	Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4
Type of business or sector	Research & development
Dates	June 01, 1996 – September 01, 1998
Occupation or position held	Main researcher II
Main activities and responsibilities	Director of the research program II: Studies of stellar dynamics and astrometry. Head of Fundamental Astronomy Division
Name and address of employer	Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4
Type of business or sector	Research & development
Dates	April 01, 1990 – June 01, 1996
Occupation or position held	Main researcher III
Main activities and responsibilities	Director of the research program II: Studies of stellar dynamics and astrometry. Head of Fundamental Astronomy Division
Name and address of employer	Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4

Type of business or sector Research & development

Dates February 01, 1977 – April 01, 1990

Occupation or position held Scientific researcher

Main activities and responsibilities Studies of the reference systems for the improvement of stellar catalogues

Name and address of employer Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4

Type of business or sector Research & development

Dates September 01, 1974 – February 01, 1977

Occupation or position held Astronomer

Main activities and responsibilities Meridian observations and data processing

Name and address of employer Bucharest Astronomical Institute of the Romanian Academy (AIRA), Fundamental Astronomy Department, 040557, Str. Cuțitul de Argint 5, sector 4

Type of business or sector Research & development

Dates October 01, 2000 – October 01, 2002

Occupation or position held Associate professor

Main activities and responsibilities Teaching the Geodetic Astronomy and Space-Time Reference Systems courses, Ph.D adviser, research activities in the field of geodesy (astro-geodesy, spatial geodesy)

Name and address of employer Bucharest Technical University of Civil Engineering (BTUCE), Faculty of Geodesy, Geodesy and Photogrammetry Department, 020396, Bd. Lacul Tei 122 – 124, sector 2

Type of business or sector Academic education & research

Dates September 01, 1970 – September 01, 1974

Occupation or position held Professor

Main activities and responsibilities Educational activities. Mathematics and Physics teacher for high school.

Name and address of employer Agriculture High School, Dragomiresti-Vale, jud. Ilfov, RO

Type of business or sector High school education

Education and training

Dates 1991 – 1996

Title of qualification awarded Doctor

Principal subjects/occupational skills covered Mathematics, speciality Astronomy

Name and type of organisation providing education and training Faculty of Mathematics-Mechanics, University of Bucharest

Dates 1965 - 1979

Title of qualification awarded Licence Diploma

Principal subjects/occupational skills covered Mathematics, speciality astronomy

Name and type of organisation providing education and training Faculty of Mathematics-Mechanics, University of Bucharest

Dates 1961 – 1965

Title of qualification awarded Bacalaureate Diploma

Principal subjects/occupational skills covered
Name and type of organisation providing education and training

Mathematics & physics
"Gheorghe Lazar" College, mathematics-physics profile

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)
Self-assessment
European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Basic user	B1	Basic user	B1	Basic user	B1	Basic user	B1	Basic user

Competences
Observational and research stages (academic stages) in France (Paris, Bordeaux), Czech Republic (Prague), Russia (Sankt Petersburg, Moscow), Ukraine, (Kiev, Nikolaev), Bulgaria (Sofia, Rojen, Belogradchik). Conferences and international meetings

Computer skills and competences
Microsoft Office Suite, Windows OS basic knowledge, some experience with HTML.

Driving licence
B category

Additional information

- AFFILIATION**

Member of International Astronomical Union ([Division I Fundamental Astronomy, Commission 8 Astrometry](http://www.iau.org/administration/membership/individual/), <http://www.iau.org/administration/membership/individual/>);

President of Romanian National Committee of Astronomy, Astronomical Institute of the Romanian Academy (AIRA) – Bucharest Observatory, 040557, Str. Cuțitul de Argint 5, sector 4, Bucharest, Romania;

Member of the Organizing Committee of the Commission 8 Astrometry (2006-2012), http://www.iau.org/science/scientific_bodies/commissions/8/;

Founder member of European Astronomical Society (1991- onwards);

Funder member of the Eclipsa 99 Association;

Secretary of the Editorial Board (2004-onwards), Romanian Astronomical Journal;

Member of editorial college of Romanian Astronomical Yearbook (1998–onwards), issued by Romanian Academy Publishing House;
- PARTICIPATION IN SCIENTIFIC RESEARCH PROJECTS AND PROGRAMMES**

Program: Aerospace / Project: Application of optoelectronic techniques in image acquisition processing (2003-2004);

Program: Aerospace / Project: System of monitoring potentially hazardous objects for Earth (2004-2006);

Program: CEEX / Project: National technological platform of spatial dynamics (2005-2008);

Program: PECS (Plan for European Cooperating States): GAIA (Global Astrometric Interferometer for Astrophysics) – Improving relative positions of reference stars around ICRF radio-sources, based on agreements with Bulgarian National Observatory and Centre National de la Recherche Scientifique (CNRS, France), (2004-2009).
- MOST REPRESENTATIVE PUBLICATIONS**

6 star catalogues / books – co-author, issued by Romanian Academy Publishing House;

Bădescu, O., M. Plopeanu, A. Nedelcu, P. Popescu and P. Paraschiv (2010), A Project for Modern Astrogeodetic Geoid Determination, *Romanian Astronomical Journal*, 20, 79-84;

Nedelcu, A.; P. Popescu; O. Bădescu and P. Paraschiv (2010), DCRF-ICRF Connection and Asteroid Differential Astrometry, *Romanian Astronomical Journal*, 20, 73-78;

Nedelcu, D. A.; M. Birlan; J. Souchay; M. Assafin; A. H. Andrei; O. Badescu; P. Popescu and P. Paraschiv (2009), Near-Earth asteroids & QSOs close approaches (Nedelcu+, 2010), *VizieR Online Data Catalog*, 350, 99027;

Nedelcu, D. A.; Souchay, J.; Birlan, M.; Popescu, P.; Paraschiv, P.; Badescu, O. (2008), Asteroid astrometry as a link between ICRF and the Dynamical Reference Frames, *A Giant Step: from Milli- to Micro-arcsecond Astrometry*, *Proceedings of the International Astronomical Union, IAU Symposium*, Volume 248, pp. 328-329, DOI: 10.1017/S1743921308019480;

Popescu, P. P.; Paraschiv, P.; Nedelcu, D. A.; Badescu, O. (2008), Antarctic Project for astrometric observations, *A Giant Step: from Milli- to Micro-arcsecond Astrometry*, *Proceedings of the International Astronomical Union, IAU Symposium*, Volume 248, pp. 112-113, 2008, DOI: 10.1017/S1743921308018784;

Nedelcu, A.; P. Paraschiv; P. Popescu; R. Popescu and O. Badescu (2007), Contributions to the improvement of NEOs positions by means of CCD Astrometry, *Publications of the Astronomy Department of the Eotvos Lorand University*, 19, 279;

Popescu, P.; R. Popescu and O. Badescu (2006), Local-Scale Geoid Determination Methods, *Romanian Astronomical Journal*, 16, 65;

Popescu, P.; R. Popescu; P. Paraschiv; A. Nedelcu and O. Badescu (2006), CCD Astrometry Using Ground-Based Telescopes, *Romanian Astronomical Journal*, 16, 33;

Popescu, P.; R. Popescu; P. Paraschiv; A. Nedelcu; O. Badescu; T. Negoita and A. Bot (2006), Romanian Robotic Telescope Project For Antarctica, *Astronomy in Antarctica*, 26th meeting of the IAU, Special Session 7, 22-23 August, 2006 in Prague, Czech Republic, SPS7, #21;

Badescu, O.; P. Popescu and R. Popescu (2005), Relative Positioning Geoid-Ellipsoid Using Vertical Deviation, *Romanian Astronomical Journal*, 15, 137;

Badescu, O.; Popescu, P.; Popescu, R. (2005) A method for accuracy and efficiency's increase of geodetic-astronomical determination of the vertical's deviation, *Journées 2004 - systèmes de référence spatio-temporels*, Observatoire de Paris, pp. 128 – 129, ISBN 2-901057-51-9, Bibliographic Code: 2005jsrs.meet..128B;

Bocsa, G.; O. Badescu; A. Nedelcu; P. Popescu and R. Popescu (2004), Minor Planet Observations [073 Bucharest], *Minor Planet Circulars*, 5288;

Popescu, R.; Popescu, P.; Badescu, O. (2003) Deflection of the vertical in Bucharest derived from geodetic astronomical observations, *Journées 2002 - systèmes de référence spatio-temporels*, Bucharest Astronomical Institute of the Romanian Academy & Observatoire de Paris, pp. 73 – 78, ISBN 2-901057-48-9, ISBN 973-558-108-6, Bibliographic Code: [2003jsrs...14...73P](#);

Nedelcu, D. A.; Birlan, M.; Souchay, J.; Assafin, M.; Andrei, A. H.; Badescu, O.; Popescu, P.; Paraschiv, P., Apparent Close Approaches between Near-Earth Asteroids and Quasars. *Precise Astrometry and Frame Linking*, *Astronomy and Astrophysics*, Volume 509, id.A27, 2010. No. of citations: 0. DOI: 10.1051/0004-6361/200913172;

[Assafin M.](#); [Nedelcu D. A.](#); [Badescu O.](#); [Popescu P.](#); [Andrei A. H.](#); [Camargo J. I. B.](#); [da Silva Neto D. N.](#); [Vieira Martins R.](#), Optical Astrometric Positions of 59 Northern ICRF Radio Sources, *Astronomy and Astrophysics*, Volume 476, Issue 2, pp. 989-993, 2007. No. of citations: 4 (2 citations and 2 auto-citations). DOI: 10.1051/0004-6361:20078441;

[Badescu O.](#); [Plopeanu M.](#); [Nedelcu D.A.](#); [Popescu P.](#); [Paraschiv P.](#), Geodetic Astronomy and Modern Astrometry Developments, Exploring the Solar System and the Universe Conference, *American Institute of Physics Conference Proceedings*, Volume 1043, pp. 214-215, 2008. No. of citations: 0. DOI: [10.1063/1.2993646](#);

[Popescu, P.](#); [Assafin, M.](#); [Badescu, O.](#); [Nedelcu, D.A.](#); [Paraschiv, P.](#); [Iliev, L.](#); [Antov, A.](#), A Pilot Astrometric Survey of 59 Northern ICRF Radio-Sources, Exploring the Solar System and the Universe Conference, *American Institute of Physics Conference Proceedings*, Volume 1043, pp. 175-178, 2008. No. of citations: 0. DOI: 10.1063/1.2993633;

[Paraschiv, P.](#); [Badescu, O.](#); [Nedelcu, A.](#); [Popescu, P.](#); [Iliev L.](#), Narrow field astrometry with different quality CCD cameras, Exploring the Solar System and the Universe Conference, *American Institute of Physics Conference Proceedings*, Volume 1043, pp. 179-182, 2008. No. of citations: 0. DOI: [10.1063/1.2993634](#);

[Popescu, P.](#); [Paraschiv, P.](#); [Popescu, R.](#); [Dumitrescu, A.](#); [Bocsa, G.](#); [Badescu, O.](#); [Nedelcu, A.](#); [Bot, A.](#); [Cosma, V.](#); [Negoita, T.](#); [Cotta, M.](#), Romanian Remote Control Telescope in Low – Racovita Antarctic Base, Fifty Years of Romanian Astrophysics Conference, *American Institute of Physics Conference Proceedings*, Volume 895, pp. 195-198, 2007. No. of citations: 1 (auto-citation). DOI: 10.1063/1.2720422.