

Curriculum Vitae

Personal information

First name(s) / LAST NAME (S) Liviu / MIRCEA
Address (es) Bisericii Ortodoxe str., Nr. 23, Ap.3, 400090, Cluj-Napoca, Romania
Telephone(s) / Fax (es) 0749189483 / -
E-mail mirliviu@yahoo.com
Nationality Romanian
Date of birth 04.07.1957
Gender Male

Work experience

Dates 1982 – 1992
Occupation or position held Mechanical engineer
Main activities and responsibilities Activity in final assembly atelier as technological engineer
Name and address of employer FMR - Grinding Machines Factory Cluj, Cluj county
Type of bussines or sector Machine-Tools Production
Dates 1991 – 1992
Occupation or position held Physics teacher (high school level)
Main activities and responsibilities Teaching physics
Class master
Name and address of employer "Augustin Maior" Technical College of Telecommunications, Cluj-Napoca
Type of bussines or sector Public education
Dates 1992 – 1999
Occupation or position held Research assistant
Main activities and responsibilities Data acquisition, observational astronomy in the field of artificial satellites, maintenance and adjustment of optical instruments and apparatus
Name and address of employer Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca
Type of bussines or sector Research
Dates 1999 – Present
Occupation or position held Senior Researcher
Main activities and responsibilities Observational astronomy and astrophysics (optical domain, CCD, photometry, astrometry, satellites), Variable Stars
Name and address of employer Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca
Type of bussines or sector Research

Education and training

Dates 1972- 1977
Title of qualification awarded Baccalaureat diploma / profile: technological / qualification: machine tools construction
Principal subjects- occupational skills covered Profile technological, technical qualification in machine tools technology
Name and type of organisation providing education and training Technical College ,Clujana", Cluj-Napoca, Romania

Dates 1978 – 1982
 Title of qualification awarded Engineer Diploma, speciality: Machine-Tools Manufacturing Engineer
 Principal subjects- occupational skills covered Manufacturing Engineering
 Name and type of organisation providing education and training Polytechnic Institute Cluj-Napoca, Faculty of Mechanics , Department of Manufacturing Technology

Dates 1986 – 1990
 Title of qualification awarded Physicist Graduate Diploma, field: Physics
 Principal subjects- occupational skills covered "Contributions to the Study of Propagation of Ultrasounds in liquids"/ (Contribuții la studiul propagării ultrasunetelor in lichide)
 Name and type of organisation providing education and training „Babes-Bolyai” University, Cluj-Napoca

Personal skills and competences

Mother tongue (s) Romanian

Other language (s) english, french

Self-assessment

European level (*)

English

French

| Understanding | | Speaking | | Writing |
|--------------------|--------------------|--------------------|-------------------|--------------------|
| Listening | Comprehension | Spoken interaction | Spoken production | |
| Upper intermediate | Upper intermediate | Intermediate | Intermediate | Upper intermediate |
| Upper intermediate | Upper intermediate | Intermediate | Intermediate | Upper intermediate |

Social skills and competences Experience in team work. Team leader. Trainer

Technical skills and competences - observational astronomy and astrophysics, observational techniques, astronomical data acquisition
 - variable stars

Computer skills and competences - Windows system operating
 - Various data acquisition and processing tools and software skills
 - Image processing softwares skills
 - office (MS, WP)

Driving license B Category

Research

Participation to Research Projects / Grants (national or international competitions)

[1]. MEC,PNCDI, AEROSPATIAL/SP3/ Contract 129/2004 "SCANSAT", 2005-2006, participant partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.
 [2]. MEC, ANCS, SECURITATE/SP3/ Contract 22/2005 "DOG", 2006, participant partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.
 [3]. ANCS,CNMP, PARTENERIATE IN DOMENII PRIORITYARE, Proiect 81-004/2007 "URSA", 2007-2010, partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.
 [4]. ANCS, CNMP, PARTENERIATE IN DOMENII PRIORITYARE, Proiect 82-093/2008 "LEOSCOP", 2008-2011, partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.
 [5]. UEFISCDI, PNII-PT-PCCA2, Parteneriate, Contract 210/2012 "AMHEOS", 2012-2016, partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.
 [6]. European Space Agency, ESA Contract No.4000114740/NL/MM, "TELEGAL: Angular Position Measurement of Galileo Satellite with Telescopes", 2015-2016, subcontractor partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.

Relevant publications (selection) [1] V. Mioc, E. Radu, L. Mircea, A. Cristea:
Rapid aerodinamical effects in artificial satellite nodal period,

- Rom. Astr. J., **4**(1994), No.2, pp121-129.
- [2]. **V. Mioc, E. Radu, L. Mircea,**
The influence of atmospheric density diurnal variations on artificial satellite nodal period,
 Studia Univ. Babeş-Bolyai, seria Mathematica, **39** (1994), No.4, pp. 79-89.
- [3] **V. Mioc L. Mircea**
Relativistic orbital perturbation in a spherical post-Newtonian gravitational field
 Studia Univ. Babeş-Bolyai, seria Mathematica, **40**(1995), No. 3, pp.93-99.
- [4]. Gh. D. Chis, V. Pop, C. Cosma, **L. Mircea,**
Determinarea momentelor de contact și a fondului de radiații pe direcția Soarelui, în timpul eclipsei totale de Soare din 11 august 1999 in the publications of the Astronomical Institute of Romanian Academy regarding the „1999 Eclipse ” event.
- [5]. Gh. D. Chis, C. Blaga, **L. Mircea,**
Arhiva de plăci fotografice obținute la Observatorul Astronomic din Cluj, Romanian Astronomical Journal 11 (2002), 192 (aparut 2001) pp. 173-179.
- [6]. Gh. D. Chiș, C. Blaga, **L. Mircea,**
The archive of the Astrometric Plates Obtained at the Astronomical Observatory from Cluj,
 Romanian Astronomical Journal 10 (2000), 191 (in 2001) pp. 205-211.
- [7]. Cristina Blaga, **Liviu Mircea,** Raoul Savos
Arhiva de plăci astrofotografice a Observatorului Astronomic din Cluj-Napoca (The archive of the Astrophysical Plates of the Astronomical Observatory of Cluj-Napoca)
 Byurakan 60-th Anniversary Meeting, “Active Univers”, 1-3 September 2006, Byurakan, Armenia.
- [8]. V.Pop, **L. Mircea,** R.Savos,
The astrophysical researches undertaken at the Astronomical Observatory of Cluj-Napoca,
 in **Fifty years of Romanian Astrophysics, Bucharest, Romania 27-30 September 2006, AIP Conference Proceedings,** Vol. 895, pp. 18-23.
- [9]. **Mircea, L .**
Effects of Large Solar Events on Atmospheric Drag of Earth Artificial Satellites
AIP Conf. Proc. -- September 8, 2008 -- Volume **1043**, pp. 256-259
Exploring the Solar System and the Universe; doi:10.1063/1.2993657
- [10]. Iharka Szucs, Istvan Szucs, **Liviu Mircea**
Primii Pași-Invatarea Astronomiei (carte de popularizare)
 (First steps – Teaching Astronomy) (popularization book)
 Cluj-Napoca 2010 ISBN 978-973-0-08553-2
- [11]. Stratan, Gh., **Mircea, L.**
Disquisitiones Mathematicae et Physicae, an iner-war precursory of actual Romanian Journal of Physics, 2012, Rom. Journ. Phys., Vol. 57, Nos. 9–10, P. 1255–1260, Bucharest, 2012
- [12]. Bîrlan, M., Popescu, M., Nedelcu, D.A., Turcu, V., Pop, A., Dumitru, B., Stevance, F., Văduvescu, O., Moldovan, D., Roher, P., Sonka, A., **Mircea, L.**
Characterization of (357439) 2004BL86 on its close approach to Earth in 2015
 2015, Astronomy and Astrophysics, 581, A3, 1-7, doi:10.1051/0004-6361/201526460.
- [13] Turcu, V., Moldovan, D., **Mircea, L.,** Pop, A., Oproiu, T.
PHEMU 2015 Campaign at Astronomical Observatory Cluj-Napoca
2016RoAJ...26...77T 2016

[14] Oproiu, T., Barbosu, M., Turcu, V., **Mircea, L.**,
Orbit Analysis of GOLIAT Cube Sat
2018RoAJ...28...87O 2018

Additional informations

Member of
professional
organizations

Comitetul Național Român de Astronomie (CNRA)
Romanian National Astronomy Committee

Date 12.01.2021

CS Liviu MIRCEA