

# Curriculum Vitae

## Personal information

First name(s) / LAST NAME (S) Dan Nelu / MOLDOVAN  
E-mail dnmoldovan@gmail.com  
Nationality Romanian  
Date of birth 09.09.1961

## Work experience

Dates 01.01.2005 – prezent; Academia Română, Institutul Astronomic București, Observatorul Astronomic Cluj-Napoca; Cercetător științific III.  
01.11.1997 – 31.12.2004; Academia Română, Institutul Astronomic București, Observatorul Astronomic Cluj-Napoca; Cercetător științific.  
01.12.1995 – 31.10.1997; Academia Română, Institutul Astronomic București, Observatorul Astronomic Cluj-Napoca; Asistent cercetare.  
12.1991 – 30.11.1995; Centrul de Aparatură Analitică, Control și Semnalizare, Cluj-Napoca; Inginer proiectant.  
01.03.1991 – 12.1991; Universitatea "Babeș-Bolyai", Colectiv Aparatură analitică, Cluj-Napoca; Inginer proiectant.  
19.10.1989 – 28.02.1991; Institutul de Chimie "Raluca Ripan", Cluj-Napoca; Inginer proiectant.  
12.09.1986 – 18.10.1989; Fabrica de Mașini-Unelte Arad, Secția: Fabrica de Strunguri Lipova; Inginer tehnolog de secție.

Name and address of employer Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca  
Type of business or sector Scientific researcher gr.III  
Main activities and responsibilities Observational astronomy and astrophysics (optical domain, CCD, photometry, astrometry, satellites), Variable Stars

## Education and training

Dates 2001 – 2009  
Title of qualification awarded Academic title of DOCTOR in Mathematics, field: Astronomy  
Principal subjects- occupational skills covered "Contributions to the Study of Astronomical Phenomena Fast Dynamics"/ (Contribuții la studiul fenomenelor astronomice cu dinamică rapidă )  
Name and type of organisation providing education and training Romanian Academy, Astronomical Institute, Bucharest, Romania

Dates 1981 – 1986  
Title of qualification awarded Engineer Graduation 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 1976- 1980  
Title of qualification awarded Baccalaureat diploma / profile mathematics and physics / qualification: nuclear technology  
Principal subjects- occupational skills covered Profile mathematics and physics, technical qualification in nuclear plant  
Name and type of organisation providing education and training Mathematics-Physics College Nr.1, Cluj-Napoca, Romania

## Personal skills and competences

Mother tongue (s) Romanian  
Other language (s) english, french

## Research

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

[1]. UEFISCDI, PN III-P1-1.2 – PCCDI-2017, Proiecte Complexe realizate în Consorții, Contract 16PCCDI/2018 “Capacități și Servicii Instituționale pentru Cercetarea, Monitorizarea și Prognoza Riscurilor din Spațiul Extraatmosferic (SAFESPACE)”, 2018-2020, project manager for partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca.

[2]. Ministerul Cercetării și Inovării, Plan Sectorial, Contract 11PS/20.11.2017 “Dezvoltarea capacității de monitorizare și coordonare a activității de supraveghere spațială, pentru prognoza riscurilor asociate căderii din atmosferă și din cosmos a corpurilor naturale și artificiale (ARGOSS)”, 2017-2018, project manager for partner Romanian Academy, Cluj-Napoca Branch, Astronomical Observatory Cluj-Napoca

[3]. Programul de Cercetare-dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR, CDI, C3-2016, Proiect: Near Earth Environment Mobile Observatory (NEEMO), ID: 465

[4]. Agenția Spațială Română, PN III-STAR, Contract 118/14.11.2016 “Centre of Competence for Planetary Sciences - ASTRES”, 2016-2018, participant, team Romanian Academy, Astronomical Institute Bucharest

[5]. European Space Agency, ESA Contract No.4000114740/NL/MM, “TELEGAL: Angular Position Measurement of Galileo Satellite with Telescopes”, 2015-2016, Team leader pentru subcontractorul Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

[6]. UEFISCDI, PNII-PT-PCCA2, Parteneriate, Contract 210/2012 “AMHEOS”, 2012-2016, responsabil de proiect partener Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

[7]. ANCS, CNMP, PARTENERIATE ÎN DOMENII PRIORITYARE, Proiect 82-093/2008 “LEOSCOPI”, 2008-2011, responsabil de proiect partener Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

[8]. ANCS, CNMP, PARTENERIATE ÎN DOMENII PRIORITYARE, Proiect 81-004/2007 “URSA”, 2007-2010, responsabil de proiect partener Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

[9]. MEC, ANCS, SECURITATE/SP3/ Contract 22/2005 “DOG”, 2006, participant partener Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

[10]. MEC, PNCDI, AEROSPATIAL/SP3/ Contract 129/2004 “SCANSAT”, 2005-2006, participant partener Academia Română Filiala Cluj-Napoca, Observatorul Astronomic Cluj-Napoca.

Publications 3 books (co-author)  
20 scientific articles

## Additional informations

Member of professional organizations International Astronomical Union (IAU)  
Comitetul Național Român de Astronomie (CNRA)

Other relevant informations Diploma: Formator ( COR 242401); București 2014.

## Relevant publications (selection)

[1]. Pop, A.; Liteanu, V.; Moldovan, D. *On the period variability of GP Andromedae* 2003, *Astrophysics and Space Science*, 4, 284, 1207-1222

[2]. Arlot J.-E., ..., Moldovan D., ... et al. *PHEMU 2003 campaign: observations of the mutual phenomena of the Galilean satellites in Romania* 2005, *Astronomy and Astrophysics*, 2, 439, 785-789

[3]. Pop, A., Turcu, V., Moldovan, D. *The variability of the pulsation period of DL Cassiopae* 2007, *Fifty years of romanian astrophysics*, AIP Conference Proceedings, vol.895, 263-266, Bucharest

[4]. Turcu, V., Pop, A., Moldovan, D. *GP Andromedae Survey Byproducts* 2008, *Exploring the solar system and the universe*, AIP Conference Proceedings, vol.1043, 424-425, Bucharest

[5]. Turcu, V., Pop, A., Moldovan, D. *Discovery of Short-Periodic Pulsating Component in the Eclipsing Binary Y Leonis*

- 2008, Commissions 42 and 27 of the IAU, Information Bulletin on Variable Stars, No.5826, Konkoly Observatory Budapest, 7 May 2008, HU ISSN 0374-0676
- [6]. Moldovan, D.  
*PHEMU 2003 CAMPAIGN-CCD Observations made at Cluj-Napoca Astronomical Observatory*  
 2008, Exploring The Solar System And The Universe, vol.1043 , 418-419, AIP Conference Proceedings
- [7]. Turcu, V., Pop, A., Moldovan, D.  
*CCD observations on GP Andromedae. Observational data between 2003-2005*  
 2008, Romanian Astronomical Journal, 2, 18, 103-133
- [8]. Moldovan, D.  
*Light curve adjusting with Cubic Spline functions*  
 2008, Romanian Astronomical Journal, 2, 18, 135-142
- [9]. Arlot, J.-E., Thuillot, W., Ruatti, C.,..., Moldovan, D., ... et al.  
*The PHEMU03 catalogue of observations of the mutual phenomena of the Galilean satellites of Jupiter*  
 2009, Astronomy and Astrophysics, 439, 1171-1182.
- [10]. Rodríguez, E., ..., Moldovan, D., ... et al  
 *$\delta$  Sct-type pulsations in eclipsing binary systems: Y Cam*  
 2010, Monthly Notices of the Royal Astronomical Society, vol.408, 4, 2149-2162
- [11]. Moldovan, D., Turcu, V., Oproiu, T.  
*X-Spline-Applications in astronomy*  
 2010, Romanian Astronomical Journal, vol.20, 2, 167-173
- [12]. Turcu, V., Moldovan, D., Pop, A.  
*PHEMU 2009 and PHEMAT 2009 campaigns: Timing data obtained at Cluj-Napoca Astronomical Observatory*  
 2010, Romanian Astronomical Journal, vol.20, 2, 175-184
- [13]. Turcu, V., Pop, A., Marcu, A., Moldovan, D.  
*Y Leonis: Light Curve Solution Revised and Search for Photometric Disturbances During Primary Minimum*  
 2011, Astrophysics and Space Science, 331, 1, 105-113,
- [14]. Pribulla, T., Vaňko, M., ... , Moldovan, D., ... et al.  
*The DWARF project: Eclipsing binaries - precise clocks to discover exoplanets*  
 2012, Astronomische Nachrichten, 333, 8, 754-766,
- [15]. Danescu, R., Ciurte, A.,..., Moldovan, D., ... et al  
*Surveillance of Medium and High Earth Orbits Using Large Baseline Stereovision*  
 2014, TIM 2013 Physics conference, vol.1634, 144-150
- [16]. Bîrlan, M., Popescu, M.,..., Moldovan, D., ... et al  
*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.
- [17]. Turcu, V., Moldovan, D., Mircea, L., Pop, A., Oproiu, T.  
*PHEMU 2015 campaign at Astronomical Observatory Cluj-Napoca*  
 2016, Romanian Astron. J., Vol.26, No.1, p.68-77, Bucharest