

CURRICULUM VITAE

Kurtev, Radostin Georgiev

Full Professor at the Institute of Physics and Astronomy
VALPARAÍSO UNIVERSITY, CHILE

PERSONAL DATA

Birthdate: 31.08.1960 (JD 2437178.146)
Birthplace: Varna, BULGARIA
Citizenship: BULGARIA, CHILE

ADRESS

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EDUCATION

PhD in Astrophysics and Stellar Astronomy, Sofia University St. Kliment Ohridski, BULGARIA, November 2000
MSc in Physics, Sofia University St. Kliment Ohridski, BULGARIA, July, 1985

Languages: BULGARIAN, SPANISH, ENGLISH, RUSSIAN

EMPLOYMENT HISTORY

2005 – present Full Professor at the Institute of Physics and Astronomy, VALPARAISO UNIVERSITY, CHILE
2003 – 2005 Associated Professor, SOFIA UNIVERSITY, BULGARIA
1999-2003 Assistant Professor, SOFIA UNIVERSITY, BULGARIA
1997-1999 Part-time Assistant Professor, , SOFIA UNIVERSITY, BULGARIA
1994-1997 Research Assistant at the Department of Astronomy, SOFIA UNIVERSITY, BULGARIA
1985 – 1994 Teacher in Astronomy, Astronomical Observatory, Varna, BULGARIA

FIELDS OF RESEARCH

Resolved stellar populations, star clusters, star formation, variable stars, ultra cool objects, infrared astronomy

TEACHING EXPERIENCE

2005 – present Lecturer, Department of Physics and Astronomy, University of Valparaiso
Undergraduate courses: Fundamentals of Physics, Physics-II, Physics-III, Mechanics-I; Mecanics-II, General Astronomy, Stellar Astronomy, Galactic Astronomy, Astronomy Lab,
Graduate courses: Advanced Stellar Astrophysics, Stellar Populations, Astrometry
1994 – 2005 Lecturer, Department of Astronomy Sofia University
Undergraduate courses: General Astronomy, Variable stars, Stellar astronomy, **Graduate courses:** Photometry, Stellar clusters and associations

Academic advisor of A. Petkov, P. Pessev, A. Antonova, S. Antonova, M. Milcheva E. Tsekulov – MSc and Ch. Dyulgerov – PhD student at the Department of Astronomy, Sofia University, Bulgaria. F. Peñaloza, V. Villanueva and N. Godoy – MSc students, and Yip Ka Po – PhD student, Valparaiso University, Chile

OBSERVATIONAL EXPERIENCE

Optical and NIR imaging and spectroscopy: 2-m telescope of the BNAO "Rozhen", 1.5 and 2.1-m telescope of the OAN "San Pedro Martir", WFI/2.2MPI, IMACS/BAADE, WIRC/du Pont, SOFI/NTT, OSIRIS/SOAR, SPARTAN/SOAR, ISOI/SOAR, SPI/BLANCO, PANIC/BAADE, FIRE/BAADE, 4STARS/BAADE, FORS2/VLT, ISAAC/VLT, UVES/VLT, NACO/VLT, PHOENIX/GEMINI(S), VIRCAM/VISTA.

GRANTS & AWARDS

2015-2017 Joined Committee between ESO and the Chilean Government, "VVV Proper Motion Survey", PI

2013-2022 Millennium Science Initiative through grant IC12009, awarded to The Millennium Institute of Astrophysics (MAS), adjunct scientist

2013-2017 FONDECYT Regular 1130140, "VISTA-VVV: BD variability and "ultimate benchmark brown dwarfs", PI

2012-2014 GEMINI-CONICYT 32110014, "The hidden sub-stellar population projected on the Milky Way belt", PI

2010-2012 DIUV23/2009 "Brown Dwarfs as Viewed by the First Chilean IR Survey Vista-VVV", PI

2009-2011 Joined Committee between ESO and the Chilean Government, "High-level Research in Astronomy at Universidad de Valparaiso: Requirements for further Development. Post-doc in Brown dwarf research", PI

2009-2011 GEMINI-CONICYT 32090014, "Brown dwarf research in Valparaiso - support for a new post-doc", PI

2008-2010 FONDECYT Regular 1080154, "Brown Dwarfs and Planets - the First View from VVV", PI

PROFESSIONAL SERVICES IN THE LAST 5 YEARS

2017 – present Director of the Center of Astrophysics of Valparaíso

2012 – 2016 Director of the Master program in Astrophysics

2012 – Chair of the LOC for the Third VVV Science Meeting

2011 – 2012 Member of the Apex Time Allocation Committee

2010 – 2013 Member of the Science Council, Universidad de Valparaíso

2010 – 2013 Director of the Center of Astrophysics of Valparaíso

2010 Member of the LOC for the First VVV Science Meeting

2008 – 2009 Member of the Chilean Time Allocation Committee (CNTAC)

MEMBERSHIP OF PROFESSIONAL ORGANIZATIONS

International Astronomical Union, Sociedad Chilena de Astronomía, Bulgarian Astronomical Society, Bulgarian Physical Union.

PUBLIC OUTREACH

Experience in Public Observatory and Planetarium in Varna, BULGARIA: popular lectures in

astronomy and astrophysics in Planetarium's hall; work with students; organizing and providing amateur observations; features in local and central newspapers and magazines of the area of astronomy and space research; participation in radio and TV broadcasts on the themes of science. Since 1993 one of the compilers of the Bulgarian Astronomical Almanac (2001 - 2005 editor-in-chief). Between 1998 and 2005 member of the Organizing committee of the National Astronomical Olympiad in Bulgaria. Between 1999 and 2004 head of the Student Astronomical Circle at the Department of Astronomy, Sofia University. Experience in outreach in Chile.

SCIENCE PRESS RELEASES

- ESO1128 – SCIENCE PRESS RELEASE “VISTA Finds 96 Star Clusters Hidden Behind Dust: ESO's infrared survey telescope digs deep into star-forming regions in our Milky Way” based on Borissova, J., Bonatto, Ch., Kurtev, R et al. 2011, *Astronomy and Astrophysics*, 532, 131
- Royal Astronomical Society press release 2357, November, 20 2013 "The Galaxy's ancient brown dwarf population revealed", based on Pinfield, D. J.; Gomes, J.; Day-Jones, A. C.; Leggett, S. K.; Gromadzki, M.; Burningham, B.; Ruiz, M. T.; Kurtev, R. et al. 2014, *MNRAS*, 437, 1009
- Carnegie Institution for Science press release, December 16 2013, "Nearby Failed Stars May Harbor Planet", based on Boffin, H. M. J.; Pourbaix, D.; Muzić, K.; Ivanov, V. D.; Kurtev, R. et al. 2014, *A&A*, 561, 4
- Royal Astronomical Society press release, July, 2014 (in press) "Planet-like object may have spent its youth as hot as a star", based on D. J. Pinfield, M. Gromadzki, S. K. Leggett, J. Gomes, N. Lodieu, R. Kurtev, et al. 2014, *MNRAS* (in press)

PUBLICATIONS

189 publications (102 of them in ISI journals) cited more than 2200 times. h-index of 24.

08.08.2018

Valparaíso