



# Curriculum Vitae

## HRZZ Form

### PERSONAL INFORMATION

Name and surname **Dijana DOMINIS PRESTER**  
 Academic title dr. sc. (Dr. rer. nat.)  
 Year and institution of PhD obtained 2006 (2ND NOVEMBER), University of Potsdam, Germany  
 Address Department of Physics, University of Rijeka, Ul. Radmile Matejčić 2, 51000 Rijeka  
 Phone +385 51 584604  
 Fax +385 51 584649  
 E-mail [dijana@phy.uniri.hr](mailto:dijana@phy.uniri.hr)  
 Citizenship Croatian  
 Date and place of birth 31 December 1970, Rijeka, Croatia

### WORK EXPERIENCE<sup>1</sup> (CHRONOLOGICALLY\*)

Date (from – until) 2015-NOW  
 Institution Department of Physics, University of Rijeka, Croatia  
 Position Associate professor  
 Work field Research (astrophysics), lecturing physics

Date (from – until) 2009-2014  
 Institution Department of Physics, University of Rijeka, Croatia  
 Position Assistant professor  
 Work field Research (astrophysics), lecturing physics

Date (from – until) 2007-2009  
 Institution Department of Physics, University of Rijeka, Croatia  
 Position Postdoc  
 Work field Research (astrophysics), lecturing physics

Date (from – until) 2005-2006  
 Institution Astrophysikalisches Institut Potsdam, Germany  
 Position PhD Student  
 Work field Astrophysics

Date (from – until) 2002-2005  
 Institution Institute for Physics, University of Potsdam, Germany  
 Position Assistant  
 Work field Physics - astrophysics

Date (from – until) 1997-2002  
 Institution Faculty of Geodesy, University of Zagreb  
 Position Teaching assistant  
 Work field Physics - astrophysics

<sup>1, 2, 3</sup> Please add rows to enter all required information

\* all information in the document should be entered chronologically – from the most recent to the oldest

Date (from – until) 1996 -1997  
 Institution Faculty of Electrical Engineering and Computing, University of Zagreb  
 Position Teaching assistant  
 Work field Physics

## EDUCATION<sup>2</sup>

(CHRONOLOGICALLY)

Date 2002-2006  
 Place Potsdam, Germany  
 Institution Faculty of Science and Mathematics, University of Potsdam  
 Title of qualification awarded PhD in astrophysics (Dr.rer.nat.)  
 Thesis title: "The role of binary stars in searches for extrasolar planets by microlensing and astrometry"

Date 1997-2001  
 Place Zagreb, Croatia  
 Institution Faculty of Science and Mathematics, University of Zagreb  
 Title of qualification awarded Master of science in Physics  
 Thesis title: "Global optimization using genetic algorithm and a model of the interactive stellar binary system V365 Sgr"

Date 1989-1996  
 Place Zagreb, Croatia  
 Institution Faculty of Science and Mathematics, University of Zagreb  
 Title of qualification awarded Dipl. Ing.of physics  
 Thesis title: "Merging galaxies and u\_z, v\_z, b\_z, y\_z photometric system"

## TRAINING

(CHRONOLOGICALLY)

Year 2000-2001 (10 months)  
 Place Munich, Germany  
 Institution Universitaets Sternwarte Muenchen (Observatory of the University in Munich), DAAD scholarship  
 Subject and skills covered Stellar astrophysics (modeling non-LTE spectra)

Year 1992/93, 1995,2000 (9 months in total)  
 Place Vienna, Austria  
 Institution Institut fuer Astronomie der Universitaet Wien (Institut for astronomy of the University in Vienna), ÖAD Scholarship  
 Subject and skills covered Extragalactic astrophysics (photometry, starburst and merging galaxies, galaxy clusters)

Year 2009, 2010, 2012, 2013 (13 weeks)  
 Place La Palma, Spain  
 Institution MAGIC telescope, ORM observatory  
 Subject and skills covered Observing with MAGIC I and MAGIC II Cherenkov telescopes

Year 2009 and 2013 (4 weeks)  
 Place La Palma, Spain  
 Institution MAGIC telescope, ORM observatory

Subject and skills covered	Commissioning work for the MAGIC Cherenkov telescopes
Year	2004 (2 weeks in August)
Place	La Silla, Chile
Institution	Danish 1.54m telescope, La Silla Observatory
Subject and skills covered	Photometric observations of microlensing light curves for PLANET collaboration at 1.5m optical telescope
Year	2003 (2 weeks in June)
Place	Hobart, Australia
Institution	Mt. Canopus Telescope, University of Tasmania
Subject and skills covered	Photometric observations of microlensing light curves for PLANET collaboration at 1.0m optical telescope
Year	2011 (1 week in February)
Place	Zeuthen, Germany
Institution	MAGIC software school
Subject and skills covered	"MAGIC II expert school"
Year	2009 (1 week in April)
Place	La Palma, Spain
Institution	IAC, CALP, ORM observatory
Subject and skills covered	"MAGIC II expert school"
Year	2005 (1 week in July)
Place	Caltech, Pasadena, U.S.A.
Institution	Michelson Science Center, California Institute of Technology
Subject and skills covered	"2005 Michelson Summer Workshop: Discovering New Worlds Through Astrometry"
Year	2003 (1 week in April)
Place	Saas-Fee, Switzerland
Institution	33rd Advanced Saas-Fee Course of the Swiss Society for Astrophysics and Astronomy
Subject and skills covered	Gravitational Lensing.
Year	2003 (1 week in January)
Place	Aussois, France
Institution	Winter School in Astrophysics
Subject and skills covered	'Gravitational Lensing: a unique tool for cosmology', Aussois, France
Year	2002 (2 weeks)
Place	Puerto de la Cruz, Tenerife, Spain
Institution	XIV Canary Islands Winter School in Astrophysics
Subject and skills covered	"Dark Matter and Dark Energy in the Universe"
Year	1999 (1 month)
Place	Castelgandolfo, Italy
Institution	Vatican observatory summer school (VOSS)
Subject and skills covered	"Observational and Theoretical Understanding of Single Stars and Close Binary Systems"

**LANGUAGES**

<b>MOTHER TONGUE</b>	Croatian
<b>ENGLISH LANGUAGE</b>	
Speaking	proficient
Writing	proficient
Reading	proficient

**OTHER FOREIGN LANGUAGES<sup>3</sup>**

Language **German**  
 Speaking proficient  
 Writing proficient  
 Reading proficient

Language **Italian**  
 Speaking poor  
 Writing poor  
 Reading good

**RESEARCH AND OTHER PROJECTS**

(CHRONOLOGICALLY; LEADER AND ASSOCIATES; FUNDING SOURCE)

2010 - Host (UNIRI) of a National Science Foundation project GOST "Astroparticle physics in Croatia" (Project leader: Daniel Ferenc")  
 2007- "Circumstellar matter", Croatian national scientific project (Project leader: Dubravka Kotnik-Karuza)  
 1997-2002 "Stars and stellar systems: Evolutionary aspects", Croatian national scientific project (Project leader: Kresimir Pavlovski)  
 2012-2015 "Very high energy gama astronomy using MAGIC telescopes", Croatian national foundation (Project leader: Nikola Godinović)

Project title Hunt for the time delay in very high energy gamma rays from active galactic nuclei (AGN)  
 Role in the project **Project leader**  
 Project type Bilateral project (German DAAD and Croatian Ministry of Science, Education and Sports)  
 Duration 2010

Project title Studying the structure of the Universe using optical and Cherenkov telescopes  
 Role in the project **Project leader**  
 Project type Croatian Ministry of Science, Education and Sports  
 Duration 2013 - now

Project title Participation of the University of Rijeka in international astroparticle experiments  
 Role in the project **Project leader**  
 Project type University of Rijeka  
 Duration 2014 - now

**TEACHING**

(CHRONOLOGICALLY; UNDERGRADUATE, GRADUATE , POSTGRADUATE STUDY PROGRAMMES)

**University of Rijeka, Croatia** (Lecturing in Croatian):

"Observational astrophysics", Lectures and seminar for master students of physics, since 2015  
 "Modern physics 2", Lectures and seminar for students of physics, 2nd year, since 2012  
 "Physics 4" (Atomic, molecular, nuclear and particle physics), Lectures for students of physics, 2nd year, 2007-2011  
 "Computational physics", Lectures and exercises for students of physics, 3rd year, since 2007  
 "Basics of physics 2" (Electromagnetism and optics), Lectures for students of informatics, 1st year, since 2009  
 "Methodology of scientific work presentation", Seminar for students of physics, 3rd year, since 2009

**University of Potsdam, Germany** (in German):

"Grundpraktikum in Physik", Laboratory exercise for students of 1st year, 2004-2005

**University of Zagreb, Croatia** (in Croatian):

“Astrophysics II – Galaxies”, exercise for students of physics/astrophysics, 4th year, 1996-2002  
 “Seminar in astrophysics I and II”, exercise for students of physics/astrophysics, 3rd year, 1997-2002  
 “Laboratory exercise in astrophysics”, exercise for students of physics/astrophysics, 4th year, 1997-2002  
 “Elementary physics I, II and III”, exercise for students of electrotechnics, 1st - 3rd year, 1996-1997  
 “Laboratory exercise in physics”, exercise for students of electrotechnics, 1st year, 1996-1997

#### VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS (CHRONOLOGICALLY; ONLY VISITS LONGER THAN 3 MONTHS)

- 4 years: PhD studies and doctoral thesis at the University of Potsdam, Germany
- 9 months at University of Vienna, Institute for astronomy, Austria, multiple visit (AOED fellowship)
- 10 months at the Universitaets-Sternwarte Munich, Germany (DAAD fellowship) 2000-2001
- 3 months at Institute for Cosmic Ray Research, University of Tokyo, Japan

#### MENTORSHIP (SUPERVISION OF STUDENTS)

- Tomislav Terzić: Characterization of very high energy gamma-radiation from active galactic nuclei observed by the MAGIC telescopes 2008-2015, PhD thesis
- Klaudija Lončarić: 2012- , PhD thesis in progress
- Marija Bervida: Master thesis, 2015
- Jelena-Kristina Željeznjak: Master thesis, 2015
- Danijela Birko, Master thesis, 2011
- Petar Jelača, Diploma thesis, 2010
- David Rajlić, Diploma thesis, 2010
- Tea Mužić, Bachelor thesis, 2013
- Lovro Pavletić, Bachelor thesis, 2013
- Marija Bervida, Bachelor thesis, 2012
- Danijela Birko, Bachelor thesis, 2009

#### ORGANIZATIONAL SKILLS AND COMPETENCES (CHRONOLOGICALLY; ORGANIZATION OF HOME AND INTERNATIONAL SCIENCE EVENTS)

Organizational duties in scientific collaborations:

- Main Observation Scheduler for the MAGIC telescopes 2013-now
- Deputy Observation Scheduler for the MAGIC telescopes 2012-2013
- Homepage coordinator (main observations coordinator) of the PLANET telescope network 2010-2014
- Croatian representative in the Steering Committee of the LST Collaboration (within the CTA consortium) 2015-now

Other organizational activities:

- President of the organizing committee, Physics school in Rijeka for high school students and of the Seminar for physics teachers, University of Rijeka, Croatia, 2012 and 2013
- "NOVICOSMO 2009", Rabac, Croatia, 2009, International summer school in astrophysics, member of the Organising committee
- "6<sup>th</sup> meeting of Croatian physical society", Primosten, Croatia, 2009, member of the Organising committee
- organizing seminars at the University of Rijeka since 2008, Department of Physics

**COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS**

(CHRONOLOGICALLY; HOME AND INTERNATIONAL)

- European Science Foundation: member of the Review Panel 2011-2014
- Member of the LST collaboration Steering Committee 2015 - now
- Coordinator for mobility and international collaboration at the Physics department at the University of Rijeka 2013-now
- ERASMUS coordinator for the Physics department at the University of Rijeka 2009-2013
- Member of the National Committee for Astronomy Competitions (1996,1997,2009,2010)
- Deputy coordinator for the group "Women in physics" of the Croatian physics society
- Vice president of the Croatian astronomical society 2010-2014

**MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES**

(CHRONOLOGICALLY; HOME AND INTERNATIONAL ORGANIZATIONS AND BODIES)

*Professional societies:*

- International astronomical union (IAU)
- European astronomical union (EAS)
- Croatian astronomical society (HAD)
- Mathematical and physical society of Rijeka (DMF)
- Croatian physical society (HFD)

*International scientific collaborations:*

- The MAGIC collaboration (Major Atmospheric Gamma Imaging Cherenkov telescopes)
- The PLANET collaboration (Probing Lensing Anomalies NETwork)
- The CTA consortium (Cherenkov Telescope Array)
- The LST (Large Size Telescope) Collaboration within the CTA consortium

**PAPERS**(CHRONOLOGICALLY; RESEARCH BOOKS, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS; **PLEASE WRITE THEIR IMPACT FACTOR**)

>100 refereed papers in international journals (~100 in Q1, 2 in Nature, 1 in Science)

**NASA/ADS database:**

[http://adsabs.harvard.edu/cgi-bin/nph-abs\\_connect?db\\_key=AST&db\\_key=PRE&qform=AST&arxiv\\_sel=astro-ph&arxiv\\_sel=cond-mat&arxiv\\_sel=cs&arxiv\\_sel=gr-qc&arxiv\\_sel=hep-ex&arxiv\\_sel=hep-lat&arxiv\\_sel=hep-ph&arxiv\\_sel=hep-th&arxiv\\_sel=math&arxiv\\_sel=math-ph&arxiv\\_sel=nlin&arxiv\\_sel=nucl-ex&arxiv\\_sel=nucl-th&arxiv\\_sel=physics&arxiv\\_sel=quant-ph&arxiv\\_sel=q-bio&sim\\_query=YES&ned\\_query=YES&adsobj\\_query=YES&aut\\_logic=OR&obj\\_logic=OR&author=dominis+prester%2Cd.%0D%0Adominis%2Cd.%0D%0Adominis-prester%2Cd.&object=&start\\_mon=&start\\_year=&end\\_mon=&end\\_year=&ttl\\_logic=OR&title=&txt\\_logic=OR&text=&nr\\_to\\_return=200&start\\_nr=1&jou\\_pick=ALL&ref\\_stems=&data\\_and=ALL&group\\_and=ALL&start\\_entry\\_day=&start\\_entry\\_mon=&start\\_entry\\_year=&end\\_entry\\_day=&end\\_entry\\_mon=&end\\_entry\\_year=&min\\_score=&sort=SCORE&data\\_type=SHORT&aut\\_syn=YES&ttl\\_syn=YES&txt\\_syn=YES&aut\\_wt=1.0&obj\\_wt=1.0&ttl\\_wt=0.3&txt\\_wt=3.0&aut\\_wgt=YES&obj\\_wgt=YES&ttl\\_wgt=YES&txt\\_wgt=YES&ttl\\_sco=YES&txt\\_sco=YES&version=1](http://adsabs.harvard.edu/cgi-bin/nph-abs_connect?db_key=AST&db_key=PRE&qform=AST&arxiv_sel=astro-ph&arxiv_sel=cond-mat&arxiv_sel=cs&arxiv_sel=gr-qc&arxiv_sel=hep-ex&arxiv_sel=hep-lat&arxiv_sel=hep-ph&arxiv_sel=hep-th&arxiv_sel=math&arxiv_sel=math-ph&arxiv_sel=nlin&arxiv_sel=nucl-ex&arxiv_sel=nucl-th&arxiv_sel=physics&arxiv_sel=quant-ph&arxiv_sel=q-bio&sim_query=YES&ned_query=YES&adsobj_query=YES&aut_logic=OR&obj_logic=OR&author=dominis+prester%2Cd.%0D%0Adominis%2Cd.%0D%0Adominis-prester%2Cd.&object=&start_mon=&start_year=&end_mon=&end_year=&ttl_logic=OR&title=&txt_logic=OR&text=&nr_to_return=200&start_nr=1&jou_pick=ALL&ref_stems=&data_and=ALL&group_and=ALL&start_entry_day=&start_entry_mon=&start_entry_year=&end_entry_day=&end_entry_mon=&end_entry_year=&min_score=&sort=SCORE&data_type=SHORT&aut_syn=YES&ttl_syn=YES&txt_syn=YES&aut_wt=1.0&obj_wt=1.0&ttl_wt=0.3&txt_wt=3.0&aut_wgt=YES&obj_wgt=YES&ttl_wgt=YES&txt_wgt=YES&ttl_sco=YES&txt_sco=YES&version=1)

**Croatian Scientific Bibliography:**

<http://bib.irb.hr/lista-radova?autor=241452>

**Google Scholar:**

<http://scholar.google.hr/citations?user=oTWxpOIAAAAJ&hl=en>

**Number of citations > 4400**

**H-factor: 32**

**COMPUTER SKILLS**

- *Programming*: FORTRAN, PASCAL, BASIC, basics of C++
- *Scientific software*: IRAF, IDL, SM, basics of ROOT
- *Applications*: MS Office, Latex, Lyx, Gnuplot, XEphem
- *Operating systems*: DOS/Windows and UNIX/Linux

**OTHER IMPORTANT SKILLS AND COMPETENCES**

Observing using optical and Cherenkov telescopes  
Team work ability, good communication skills

**AWARDS**

- Award of the Foundation of the University of Rijeka for science and education 2014
- Award "The women of the year" for scientific work and public promotion of science in Croatia 2009