

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Surname(s) / First name(s)

Address(es)

Telephone(s)

Fax(es)

E-mail(s), Web address(s)

Nationality(-ies)

Date of birth

**Tomislav Jurkić**

Paškinovac 45, 51000 Rijeka

tjurkic@phy.uniri.hr

<http://www.phy.uniri.hr/en/people/51-en/staff/744-tomislav-jurki-eng.html>

Croatian

**WORK EXPERIENCE**

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2016. –

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

Lecturer

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2013. – 2016.

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

Postdoctoral researcher

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2008. – 2012.

Department of Physics, University of Rijeka, Croatia

scientific institution – natural sciences

PhD student – assistant

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2006. – 2008.

Faculty of Arts and Sciences, University of Rijeka, Croatia

scientific institution – natural sciences

PhD student – junior researcher

• Dates (from – to)

Name and address of employer

Type of business or sector

Occupation or position held

Main activities and responsibilities

2006.

The Scout Association of Rijeka

non-governmental organizations

Head of office

## EDUCATION

Date 12<sup>th</sup> October 2012  
Place of education Zagreb  
Name and type of organisation providing education Department of Physics, Faculty of Sciences, University of Zagreb, Croatia  
Title or qualification awarded Ph.D. in Physics

Date 9<sup>th</sup> November 2005  
Place of education Zagreb  
Name and type of organisation providing education Department of Physics, Faculty of Sciences, University of Zagreb, Croatia  
Title or qualification awarded M.Sc. in Physics

## TRAINING

Year 2015.  
Place of training Cologne, Germany  
Name and type of organisation providing training University of Cologne, Germany; Opticon FP7, European Union  
Principal subjects/Occupational skills covered astrophysics – 8<sup>th</sup> VLT summer school "High angular resolution in astrophysics"

Year 2014.  
Place of training Belfast, United Kingdom  
Name and type of organisation providing training Queen's University Belfast, United Kingdom  
Principal subjects/Occupational skills covered astrophysics – winter school of astrophysics "Cloudy@Belfast"

Year 2009.  
Place of training Rabac, Croatia  
Name and type of organisation providing training Department of Physics, University of Rijeka; SISSA, Trieste, Italy  
Principal subjects/Occupational skills covered astrophysics – International summer school of astrophysics Novicosmo 2009 "Highlights in Astrophysics"

Year 2007.  
Place of training Split, Croatia  
Name and type of organisation providing training Faculty of Sciences, University of Split, Croatia  
Principal subjects/Occupational skills covered astrophysics – Split International Winter School of Astrophysics (SIWA) "Extrasolar Planets and Astrobiology"

Year 2007.  
Place of training Torun, Poland  
Name and type of organisation providing training Nicolaus Kopernikus Astronomical Centre, Torun, Poland  
Principal subjects/Occupational skills covered astrophysics – visiting scientist

Year 2004.  
Place of training Princeton, USA  
Name and type of organisation providing training Institute for Advanced Study, Princeton, USA  
Principal subjects/Occupational skills covered astrophysics – visiting scientist

Year	2001, 2002.
Place of training	Višnjan, Croatia
Name and type of organisation providing training	Višnjan observatory
Principal subjects/Occupational skills covered	Management in science (workshop)

  

Year	2001.
Place of training	Zagreb, Croatia
Name and type of organisation providing training	Academy for Educational Development
Principal subjects/Occupational skills covered	Strategic management and planning

  

Year	2001.
Place of training	Malaga, Spain
Name and type of organisation providing training	European Scout Office
Principal subjects/Occupational skills covered	Programme and Human Resources

#### **PERSONAL SKILLS AND COMPETENCIES**

Mother tongue(s)	<b>Croatian</b>
<b>Other language(s)</b>	
Language	<b>English</b>
Speaking	excellent
Writing	excellent
Understanding (listening and reading)	excellent
Language	<b>Italian</b>
Speaking	very good
Writing	very good
Understanding (listening and reading)	very good
Language	<b>German</b>
Speaking	basics
Writing	Poor
Understanding (listening and reading)	basics

## **SOCIAL SKILLS AND COMPETENCIES.**

- communicative, open-minded, willing to accept new ideas, skills and knowledge, team work
- experience in lectures and presentations, teamwork and mentor supervision in the work with young persons, especially with gifted children
- workshop leader of "Armchair astronomy" for high school students, Saturday morning with Physics, 2018.
- workshop leader of "Armchair astronomy" and co-leader "Universe on the tip of the fingers" for high school students and teachers, Rijeka School of Physics, Rijeka, Croatia, 2013 & 2016.
- lecturer at the Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2013 & 2016.
- lecturer at the National Science Festival, Rijeka, Croatia, 2013, 2015 and 2017.
- guest at 'Third element' on the topic of the life in the universe and extrasolar planets, Croatian national television, 2014.
- interviews and/or guest at television (Croatian national television, national TV station NovaTV, local TV station RiTV) and radio stations (Croatian national radio, local radio stations Radio Rijeka, Radio Sova), 2014, 2015.
- guest at various television (RiTV) and radio stations (Croatian national radio, Radio Rijeka) regarding the meteorite fall in Chelyabinsk, 2012.
- workshop leader of the laboratory exercises in microelectronics for high school students and teachers, Winter School of Physics, Rijeka, Croatia, 2012.
- organizer of the workshop on pseudoscience at the national seminar in astronomy for high school teachers, 2009.
- supervisor, group leader and lecturer on "Višnjan School of Astronomy", astronomy camp aimed toward talented high-school youth, working on visual, video CCD, ULF, radio and VLF meteor observations projects, Višnjan, 2002. – 2005.
- supervisor, group leader and lecturer on "Youth Science Camp", scientific camps aimed toward talented young children, Višnjan, 2003. – 2009.
- international experience in organizing volunteer work and youth programme ("European Voluntary Programme", member of the organizing committee of "Voluntary and Work Possibilities for Young People" seminar, September 2001, Pula, Croatia)

## **ORGANISATIONAL SKILLS AND COMPETENCIES.**

- excellent organisational skills on all levels, from small short-term projects up to the organisation and management of larger long-term programmes and research projects, together with the management and organisation of conferences and Croatian contingents on international meetings.
- chair of the organizing committee, Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2014.
- member of the organizing committee, Saturday morning with physics, spring school/workshop for high school students and teachers, Rijeka, Croatia, 2018.
- member of the organizing committee, Rijeka School of Physics, spring school for high school students and teachers, Rijeka, Croatia, 2013 & 2016.
- secretary and member of management committee of Society of Mathematicians and Physicists, 2014 – 2016.
- member of organizing committee of International summer school of astrophysics Novicosmo 2010 "Highlights in Astrophysics", Department of Physics, University of Rijeka & SISSA, Trieste, Italy, September 2009.
- one of the project leader, designed and implemented fully automated multi-instrumental geophysical and astronomical station for meteor observation (SVIRMOS) and radio scattering meteor observation station (VORAM), 2001. –
- member of organizing committee, "Meeting on Asteroids and Comets in Europe" conference, Višnjan, Croatia, 2002.
- expedition leader for observation of Sun's eclipse, Rimnicu Vilcea, Romania, 1998.
- author of "Strategy for the Next Millennium" and co-author of "From Vision to Reality" documents (documents on strategic management and development), the Scout Association of Croatia, 2002. – 2003.
- contingent and project leader of Croatian scouts on World scout Jamborees in Mexico and central America, Chile and Thailand and southeast Asia
- contingent and project leader of Croatian scouts on 20th World Scout Jamboree, Thailand, 2003.

**TECHNICAL SKILLS AND  
COMPETENCIES**

**SCIENTIFIC WORK:**

- numerical modelling of radiative transfer and dust and gas emission in circumstellar dust and gas environment of symbiotic stars with cold Mira component using DUSTY and CLOUDY numerical codes, 2006. –
- numerical modelling of circumstellar dust in symbiotic Miras by the use of interferometric observations, 2013. –
- optical transients, light curve analysis of long-period stars (Miras and symbiotic Miras), with application in the LSST project (Large Synoptic Survey Telescope), 2012. –
- modelling of stellar atmospheres and ultraviolet spectra of hot OB supergiants (numerical non-LTE codes TLUSTY, SYNSPEC; ROTIN), 2007. –
- numerical modelling of radiative transfer and dust emission in young Herbig-type stars and protoplanetary disks using DUSTY numerical code, in collaboration with Dejan Vinković, Faculty of Science, University of Split, Croatia, Željko Ivezić, University of Washington, Seattle, USA, and Moshe Elitzur, University of Kentucky, USA, 2002. –
- author of computer codes for modelling stellar circumstellar environments of young Herbig stars and symbiotics with cold Mira component and fitting their observation data with DUSTY models (DUSTY is a code for radiative transfer calculation in young stars, written by Vinković, Ivezić, Elitzur and Miroshnichenko)
- author of computer code for modelling of the circumstellar dust properties in symbiotic Miras by the use of interferometric observations
- author of computer code for analysis of the periodicities in the light curves of variable stars by the use of Phase dispersion minimization technique
- author of computer code for fitting UV spectra with non-LTE TLUSTY models.
- one of the project leaders, designed and implemented fully automated multi-instrumental geophysical and astronomical station for meteor observation (SVIRMOS), 2001. –
- project leader, designed and implemented radio scattering meteor observation station (VORAM 1 and 2: scattering of radio waves on meteor plasma trails), 2001. – 2004.

**COMPUTER SKILLS:**

- knowledge of and experience with computer programming languages: C, Fortran
- fluent in Dusty (radiative transfer programme analysis) and Cloudy (gas photoionization code), some knowledge of IRAF
- practical knowledge of mathematical and statistical analysis programme packages: Mathematica 4.0, Origin, OriginPro, Statistica
- knowledge of operating systems: Windows, Unix, Linux
- knowledge of standard programme packages: Microsoft Word, Excel, Publisher, Adobe Photoshop, Adobe Illustrator, Internet Explorer, Outlook, FrontPage, Mozilla Firefox & Thunderbird, etc
- practical knowledge of VO package for analysis and visualization of astronomical observations
- practical knowledge of Joomla and Mudri tools for e-learning, use of SharePoint service

**ARTISTIC SKILLS AND  
COMPETENCIES**

- Amateur photography from 1997. until today:
- school of photography, Zagrebački foto-kino savez, spring 2001.
  - exhibited own photographs in the gallery of Zagreb Photo Club, joint exhibition, 2001.

**OTHER SKILLS AND COMPETENCIES**

- president of commission for orienteering's competition and Principal referee in the Scout Association of Croatia, 1998. – 2004.
- member of the Scout Association of Croatia from 1984.
- travelled and stayed in Thailand, Cambodia, Malaysia and Singapore (2 months), Mexico, Guatemala and Belize (2 months), Chile (1 month), Turkey, Spain, France, England, Germany, Austria, Poland, Romania, Hungary, Czech Republic and Italy.

**DRIVING LICENCE(S)**

YES

**ADDITIONAL INFORMATION**

**ANNEXES**

Awards, Conferences

## AWARDS:

- Best scientific research and presentation of PhD student and postdocs at the 8<sup>th</sup> Scientific meeting of the Croatian Physical Society, 2<sup>nd</sup> place, Primošten, Croatia, 2013
- Rector award candidate "Radio observations of Geminid meteor stream" (radio forward scattering on meteor plasma trails and construction of automated station for meteor observations in radio/video/VLF/ULF), 2002.

## SCIENTIFIC PROJECTS:

- COST TD1308 action "Origin of life on Earth and in the Universe (ORIGINS)", member of Management Committee (Croatia), 2014. – 2018.
- "STARDUST: Stars and dust – structure, composition and interaction" (PI: Krešimir Pavlovski, University of Zagreb), PMF, Zagreb), scientific research project supported by Croatian Science Foundation, postdoctoral researcher, 2015. – 2019.
- COST TD1403 action "Big Data Era in Sky and Earth Observation", researcher, 2015. – 2019.
- "Physical properties of the circumstellar matter in symbiotic binaries" (PI: Dubravka Kotnik-Karuza), scientific research project supported by the grant of the University of Rijeka, postdoctoral researcher, 2013.-2015.
- "Diagnostics and physical properties of the circumstellar matter" (PI: Dubravka Kotnik-Karuza), scientific research project supported by the Ministry of science and education, PhD student, 2007. – 2013.

## ORGANISATIONAL BOARDS OF THE SCIENTIFIC MEETINGS AND SCHOOLS:

- International summer school of astrophysics "Novicosmo: Highlights in Astrophysics", member of organisational board, Rabac, Croatia, 20<sup>th</sup> – 30<sup>th</sup> September 2009.

## ORGANISATIONAL BOARDS OF OTHER MEETINGS AND SCHOOLS

- Saturday morning with physics (popularisation project for general public), member of the organising committee, Rijeka, Croatia, 2018
- 4<sup>th</sup> Rijeka School of Physics, member of the organising committee, Rijeka, Croatia, March 2016
- 3<sup>rd</sup> Rijeka School of Physics, chair of the organising committee, Rijeka, Croatia, April 2014
- 2<sup>nd</sup> Rijeka School of Physics, member of the organising committee, Rijeka, Croatia, March 2013

## SCIENTIFIC PAPERS IN CURRENT CONTENTS PUBLICATIONS:

1. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, **"Dust around the cool component of D-type symbiotic binaries"**, Astronomy Letters, 44 (2018), 1, 265
2. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, **"Modelling of dust around the symbiotic Mira RR Telescopii during obscuration epochs"**, 2012, Astronomy and Astrophysics, 544, 35
3. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, **"RR Tel: Determination of dust properties during minimum obscuration"**, 2012, Baltic Astronomy, 21, 123
4. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Dominis-Prester, Dijana, **"Atmospheric parameters of the B-supergiant HD 198478 from the UV spectra"**, 2011, Astrophysics and Space Science, 335, 1, 113
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, **"Modeling of Dust around RR Tel"**, 2007, Baltic Astronomy, 16, 1, 76
6. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, **"Circumstellar Dust in Symbiotic Miras during Obscuration Events"**, 2007, Baltic Astronomy, 16, 1, 98
7. Vinković, Dejan; Jurkić, Tomislav, **"Relation between the luminosity of young stellar objects and their circumstellar environment"**, 2007, Astrophysical Journal, 658, 1, 462
8. Vinković, Dejan; Ivezić, Željko; Jurkić, Tomislav; Elitzur, Moshe, **"Near-Infrared and the Inner Regions of Protoplanetary Disks"**, 2006, Astrophysical Journal, 636, 1, 348

## SCIENTIFIC PAPERS IN OTHER PUBLICATIONS

1. Harvey, Eamonn; Redman, Matt; Boumis, Panayotis; Kopsacheili, Maria; Akas, Stavros, Sabin, Laurence; Jurkic, Tomislav, "**The circumstellar environment of pre-SN Ia systems**", 2016, Proceedings of the Conference Supernova Remnants: An Odyssey in Space after Stellar Death, 137-140
2. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Circumstellar Dust in Symbiotic Novae**", 2015, EAS Publications Series, 71-72, 159
3. Jurkić, Tomislav; Deković, Mariza Sarta; Kotnik-Karuza, Dubravka, "**Fitting of Silicon lines in UV and Balmer Hdelta Line in Optical Spectra of B supergiant HD 198478**", 2012, IAU Symposium, 282, 263
4. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modeling of Circumstellar Dust by the DUSTY Code**", 2012, IAU Symposium, 282, 247
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, "**Modeling of Circumstellar Dust Around Symbiotic Miras in Infrared**", 2010, Astronomical Society of the Pacific, 303
6. Deković, Mariza Sarta; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, "**Problems in abundance determination from UV spectra of hot supergiants**", 2010, IAU Symposium, 265, 211
7. Jurkić, Tomislav; Kotnik-Karuza, Dubravka; Friedjung, M, " **Properties of Circumstellar Dust in Symbiotic Miras**", 2007, IAU Symposium, 240, 596
8. Jurkić Tomislav, Pintarić Senka, "**Radio observations of Perseids 2002. and correlation with visual observations**", 2002, Proceeding of International Meteor Conference, International Meteor Organization

## REVIEWS

- Referee for Astrophysical Journal and Serbian Astronomical Journal

## INVITED LECTURES

- Jurkić, Tomislav, " **Modeling of Circumstellar Dust by the DUSTY Code**", From Interacting Binaries to Exoplanets: Essential Modeling Tools, IAU Symposium, Tatranska Lomnica, Slovakia, 2012

## CONFERENCES AND MEETINGS:

1. "LSST@Europe 3: Building science collaborations", Lyon, France, June 2018.
2. "Life on Earth and beyond: Emergence, survivability, and impact on the environment", Bertinoro, Italy, March 2018.
3. "The Physics of Evolved Stars II: the role of binarity", Nice, France, July 2017.
4. "Early Earth and ExoEarths: origin and evolution of life", Warsaw, Poland, April 2017.
5. "LSST@Europe 2", Belgrade, Serbia, June 2016.
6. "From star and planet formation to early life", Vilnius, Lithuania, April 2016.
7. "Physics of evolved star: a conference dedicated to the memory of Olivier Chesneau", Nice, France, June 2015.
8. "Habitability in the Universe: From the Early Earth to Exoplanets", Porto, Portugal, March 2015.
9. "9<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Umag, Croatia, October 2015.
10. "European Week of Astronomy and Space Science", Geneva, Switzerland, July 2014.
11. "8<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2013.
12. "LSST@Europe: Path to Science", Cambridge, United Kingdom, September 2013.
13. "Workshop on symbiotic stars, binary post-AGB and related objects", Wierzba, Poland, August 2013.
14. "LSST All-hands meeting", Tucson, USA, August 2012.
15. "7<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2011.
16. "Asiago Meeting on Symbiotic Stars", Asiago, Italy, July 2011.
17. "From Interacting Binaries to Exoplanets: Essential Modelling Tools", Tatranska Lomnica, Slovakia, July 2011.
18. "2nd NUVA Symposium - Ultraviolet Universe 2010", St. Petersburg, Russia, June 2010.
19. "Binaries - Key to Comprehension of the Universe", Brno, Czech Republic, June 2009.
20. "6<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2009.
21. "5<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Primošten, Croatia, October 2007.

22. "Evolution and Chemistry of Symbiotic Stars, Binary post-AGB and Related Objects", Wierzba, Poland, September 2006.
23. "MAGPOP workshop", Max Planck Institute for Astrophysics, Garching, Germany, 2005.
24. "4<sup>th</sup> Scientific Meeting of the Croatian Physical Society", Zagreb, Croatia, 2003.
25. "11<sup>th</sup> International Meteor Conference", Bollmansruh, Germany, September 2003.
26. "10<sup>th</sup> International Meteor Conference", Frombork, Poland, September 2002.
27. "Meeting on Comets and Asteroids in Europe", Višnji, Croatia, 2002.

## PRESENTATIONS AT THE MEETINGS

1. Jurkić, Tomislav; Pavletić, Lovro; Kotnik-Karuza, Dubravka, 2018, "LSST@Europe 3: Building science collaborations", Lyon, France, poster presentation
2. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2017, "The Physics of Evolved Stars II: the role of binarity", Nice, France, oral presentation
3. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2016, "LSST@Europe 2", Belgrade, Serbia, poster presentation
4. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2015, Physics of evolved star: a conference dedicated to the memory of Olivier Chesneau", Nice, France, oral presentation
5. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2015, 9<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Umag, Croatia, oral presentation
6. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2014, European Week of Astronomy and Space Science, Geneva, Switzerland, poster presentation
7. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2013, 8<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, oral presentation
8. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2013, Workshop on symbiotic stars, binary post-AGB and related objects, Wierzba, Poland, oral presentation
9. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2011, IAU Symposium 282 "From Interacting Binaries to Exoplanets : Essential Modeling Tools", Tatranska Lomnica, Slovakia, oral presentation
10. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka, 2011, IAU Symposium 282 "From Interacting Binaries to Exoplanets: Essential Modeling Tools", Tatranska Lomnica, Slovakia, poster presentation
11. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2011, 7<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, oral presentation
12. Jurkić, Tomislav; Sarta Deković, Mariza; Kotnik-Karuza, Dubravka, 2011, 7<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
13. Jurkić, Tomislav; Sarta Deković, Mariza; Dominis Prester, Dijana; Kotnik-Karuza, Dubravka, 2010, 2nd NUVA Symposium "Ultraviolet Universe 2010", St. Petersburg, Russia, oral and poster presentations
14. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2009, "Binaries - Key to Comprehension of the Universe: ASP Conference Series", Brno, Czech Republic, oral presentation
15. Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, 2009, IAU Symposium 265 "Chemical Abundances in the Universe: Connecting First Stars to Planets", Rio de Janeiro, Brazil, poster presentation
16. Sarta Deković, Mariza; Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Dominis Prester, Dijana, 2009, 6<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
17. Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2007, 5<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
18. Kotnik-Karuza, Dubravka; Dominis Prester, Dijana; Sarta Deković, Mariza; Jurkić, Tomislav, 2007, 5<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
19. Sarta Deković, Mariza; Dominis Prester, Dijana; Jurkić, Tomislav; Kotnik-Karuza, Dubravka, 2007, 5<sup>th</sup> Scientific Meeting of the Croatian Physical Society, Primošten, Croatia, poster presentation
20. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, 2006, Wierzba, Poland, poster presentation
21. Jurkić, Tomislav; Kotnik-Karuza, Dubravka; Friedjung, Michael, 2006, Wierzba, Poland, oral and poster presentations
22. Kotnik-Karuza, Dubravka; Jurkić, Tomislav; Friedjung, Michael, 2006, IAU Symposium S240, Prague, Czech Republic, poster presentation



## SUPERVISOR IN STUDENT'S THESIS

1. Lovro Pavletić, "Circumstellar dust properties and periodicity in the near-IR light curves of seven symbiotic Miras", Master's thesis, April 2017.
2. Ivana Batković, "Supernova SN1987A as a source of cosmic dust", Bachelor's thesis, September 2018.
3. Antonele Matijašić, "From interstellar medium towards main-sequence star", Bachelor's thesis, September 2018.
4. Marko Šegon, Bachelor's thesis, October 2016.

## MEMBERSHIPS

- European Astronomical Society (EAS)
- Center for Inquiry Croatia
- Croatian Physical Society (HFD)
- Society of Mathematicians and Physicists (DMF)

## PUBLIC OUTREACH, PUBLIC LECTURES AND MEDIA (only 2012-2018)

1. "Origin of life in the Universe", World Space Week, Rijeka, Croatia, 5.10.2018., lecture
2. "Origin of life in the Universe", Baltazar na Gradini, Rijeka, Croatia, 2.9.2018., lecture
3. "Cosmic prints of time", 15th National Science Festival, Rijeka, Croatia, 27th April 2017, lecture
4. "What is time in physics", 15th National Science Festival, Rijeka, Croatia, 27th April 2017, public debate
5. "Cosmic dust: birth of new worlds", Open days, Department of Physics, University of Rijeka, Croatia, 23<sup>rd</sup> November 2016, lecture
6. "Super-telescopes of the new millennium", Visnjan School of Astronomy, Višnjan, Croatia, 24<sup>th</sup> July 2016, lecture
7. "Determination of astronomical distances by Cepheids", Society of Mathematicians and Physicists, Rijeka, Croatia, 9<sup>th</sup> June 2016, lecture
8. "Super-telescopes of the new millennium", 4<sup>th</sup> Rijeka School of Physics, Rijeka, Croatia, 22<sup>nd</sup> March 2016, lecture
9. "Universe at the tip of the fingers", 4<sup>th</sup> Rijeka School of Physics, Rijeka, Croatia, 22<sup>nd</sup> – 23<sup>rd</sup> March 2016, workshop
10. "Infrared astronomy", 13th National Science Festival, Rijeka, Croatia, 21st April 2015, lecture
11. "Armchair astronomy", 13th National Science Festival, Rijeka, Croatia, 23rd April 2015, workshop
12. "Cosmic dust", Society of Mathematicians and Physicists, Rijeka, Croatia, 23<sup>rd</sup> October 2014, lecture
13. Third element - life in the universe and extrasolar planets, Croatian national television, 9<sup>th</sup> October 2014, interview
14. "Cosmic dust", Visnjan school of astronomy, Visnjan, Croatia, 26<sup>th</sup> July 2014, lecture
15. 3<sup>rd</sup> Rijeka School of Physics, interviews for Croatian national television, national TV station Nova TV, local TV station RiTV, Croatian national radio, local radio station Radio Rijeka, April 2014.
16. Andromeda, Croatian national radio, 11<sup>th</sup> February 2014, guest
17. 3<sup>rd</sup> Rijeka School of Physics, interviews for Croatian national radio and local radio station, January 2014.
18. "Dust in symbiotic binaries", Society of Mathematicians and Physicists, Rijeka, Croatia, 7<sup>th</sup> November 2013, lecture
19. "Universe alive: LSST – telescope of a new digital era", Academic astronomical society Rijeka, Rijeka, Croatia, 29<sup>th</sup> August 2013, lecture
20. "Infrared astronomy", Visnjan School of Astronomy, Višnjan, Croatia, 16<sup>th</sup> August 2013, lecture
21. "LSST: telescope of a new digital era", Youth Science Camp, Višnjan, Croatia, July 2014, lecture
22. "Universe alive: LSST – telescope of a new digital era", 11th National Science Festival, Rijeka, Croatia, 24<sup>th</sup> April 2013, lecture
23. "Infrared astronomy", 2<sup>nd</sup> Rijeka School of Physics, Rijeka, Croatia, 26<sup>th</sup> March 2013, lecture
24. "Armchair astronomy", 2<sup>nd</sup> Rijeka School of Physics, Rijeka, Croatia, 25<sup>th</sup> – 26<sup>th</sup> March 2013, workshop
25. "Meteors, meteorites and the Russian event", Croatian national radio, March 2013
26. "Meteors and meteorites", Croatian national radio, February 2013
27. "Meteors and meteorites", interview for the local TV station RiTV, February 2013
28. "Laboratory of Microelectronics", Winter School of Physics (1<sup>st</sup> Rijeka School of Physics), Rijeka,

Croatia, 12th – 13th January 2012, workshop