



## PERSONAL INFORMATION

Name and surname	<b>Dario Hrupec</b>
Academic title	assistant professor (since January 27, 2016)
Address	Josip Juraj Strossmayer University of Osijek, Trg Ljudevita Gaja 6, 31000 Osijek, Croatia
Phone	+385 91 2241034
Mobile phone	+385 95 5323214
E-mail address	dario.hrupec@fizika.unios.hr
Web address	<a href="https://dariohrupec.org/">https://dariohrupec.org/</a>
Citizenship	Croatian
Date and place of birth	June 22, 1970, Koprivnica, Croatia

## WORK EXPERIENCE

Dates (from – to)	April 1, 2016 – today
Name of employer	<b>Josip Juraj Strossmayer University of Osijek</b>
Position held	assistant professor
Field	physics
Dates (from – to)	October 16, 2003 – March 31, 2016
Name of employer	Ruder Bošković Institute, Zagreb
Position held	senior research assistant
Field	physics
Dates (from – to)	February 28, 1998 – October 15, 2003
Name of employer	Faculty of Electrical Engineering and Computing, University of Zagreb
Position held	teaching assistant
Field	physics

## EDUCATION

Date	February 11, 2008
Place of education	Zagreb, Croatia
Organisation providing education	Faculty of Science, University of Zagreb
Title awarded	<b>PhD in Physics</b>
Date	January 15, 2002
Place of education	Zagreb, Croatia
Organisation providing education	Faculty of Science, University of Zagreb
Title awarded	MSc in Physics
Date	April 11, 1997
Place of education	Zagreb, Croatia
Organisation providing education	Faculty of Science, University of Zagreb
Title awarded	BSc in Physics

## SCIENTIFIC PROJECTS

Project title	<b>Very-high-energy Gamma Ray Astronomy in the Multi-messenger Era</b>
Project ID and coordinator	<b>IP-2022-10-4595, Marina Manganaro</b>
Role in the project	<b>collaborator</b>
Project type	<b>Croatian Science Foundation</b>
Duration	<b>December 18, 2023 – December 17, 2027</b>
Project title	Very High Energy Gamma Ray Astronomy with MAGIC and CTA
Project ID and coordinator	HRZZ-IP-06-2016-9782, Nikola Godinović
Role in the project	collaborator
Project type	Croatian Science Foundation
Duration	July 15, 2017 – June 16, 2022

Project title	Pulse laser calibration of Cherenkov telescopes from an airship
Role in the project	coordinator
Project ID	UNIOS-ZUP 2018-116
Project type	Josip Juraj Strossmayer University of Osijek
Duration	November 19, 2018 – December 31, 2020
Project title	Optimizing the Cherenkov Telescope Array for efficient observations of Active Galactic Nuclei
Project coordinator	Dijana Dominis Prester
Role in the project	coordinator
Project type	DAAD and Ministry of Science and Education
Duration	January 1, 2017 – December 31, 2018
Project title	Very High Energy Gamma Ray Astronomy with the MAGIC telescope
Project ID and coordinator	HrZZ 09/176, Nikola Godinović
Role in the project	collaborator
Project type	Croatian Science Foundation
Duration	July 1, 2012 – December 31, 2015
Project title	Evaluation of possible sites and MC studies for a future long term monitoring Cherenkov $\gamma$ -ray observatory in Croatia
Role in the project	coordinator
Project type	DAAD and Ministry of Science, Education and Sports
Duration	January 1, 2010 – December 31, 2011
Project title	Photon-atom interaction and correlations
Project ID and coordinator	098-0982931-2875, Tihomir Surić
Role in the project	collaborator
Project type	Ministry of Science, Education and Sports
Duration	January 2, 2007 – December 31, 2011
Project title	Study of high energy cosmic gamma rays at the CROATEA observatory
Project ID and coordinator	0098144, Daniel Ferenc
Role in the project	collaborator
Project type	Ministry of Science, Education and Sports
Duration	2003 – 2005
Project title	Classical and quantum field theory
Project ID and coordinator	0036038, Dubravko Horvat
Role in the project	collaborator
Project type	Ministry of Science, Education and Sports
Duration	2001 – 2003

#### OTHER PROJECTS

Project title	Development of physics studies with the application of the Croatian Qualifications Framework – FizKO
Role in the project	collaborator
Project type	UNIRI i ESF
Duration	March 2, 2019 – March 22, 2012
Project title	Formulation, selection and coordination of Croatian terminology in physics
Role in the project	collaborator and editor
Project type	Croatian Science Foundation and Institute of Croatian Language and Linguistics
Duration	September 1, 2010 – November 30, 2011

#### TRAINING

Year	2024 (August 20 – September 4)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2023 (August 3 – August 18)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2021 (July 26 – August 12)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>

Year	2019 (November 27 – December 7)
Place	La Palma, Spain
Organization	The LST1 telescope, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2018 (July 14 – August 3)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2016 (August 8 – August 28)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2014 (July 12 – August 4)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2013 (July 10 – July 31)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2013 (January 21 – January 25)
Place	Barcelona, Spain
Organization	Universitat de Barcelona
Skills	<b>3<sup>rd</sup> MAGIC Software School</b>
Year	2011 (March 20 – April 10)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (shift leader)</b>
Year	2009 (November 3 – December 1)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (deputy shift leader)</b>
Year	2009 (April 17 – April 23)
Place	La Palma, Spain
Organization	Institututo Astrofisico de Canarias (IAC)
Skills	<b>MAGIC Hardware and Software Expert School</b>
Year	2009 (April 10 – April 26)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (operator)</b>
Year	2008 (September 16 – October 15)
Place	La Palma, Spain
Organization	The MAGIC telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (operator)</b>
Year	2008 (May 19 – May 21)
Place	Blankenberge, Belgium
Organization	EDP Sciences, Astronomy & Astrophysics
Skills	<b>1<sup>st</sup> Astronomy and Astrophysics School: Scientific Writing for Young Astronomers</b>
Year	2007 (June 4 – June 15)
Place	Seillac, France
Organization	International School on AstroParticle Physics, European Doctorate School
Skills	<b>Multi-messenger approach in High Energy Astrophysics</b>
Year	2005 (May 31 – June 5)
Place	Freudenstadt, Germany
Organization	Virtuelles Institut für Hochenergiestrahungen aus dem Kosmos
Skills	<b>VIHKOS CORSIKA School 2005</b>
Year	2003 (February 26 – March 7)
Place	La Palma, Spain
Organization	The HEGRA telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Hardware work</b>

Year	2002 (October 16 – October 25)
Place	La Palma, Spain
Organization	The HEGRA telescopes, Observatorio del Roque de los Muchachos
Skills	<b>Observations (operator)</b>

Year	2001 (May – June)
Place	Bowling Green, Kentucky, USA
Organization	International Atomic Energy Agency, Western Kentucky University
Skills	<b>Nuclear methods application (IAEA fellowship)</b>

Year	1998 (July – September)
Place	Houston, Texas, USA
Organization	University of Houston
Skills	<b>Multiwire chamber construction</b>

Year	1997 (June – September)
Place	Geneva, Switzerland
Organization	CERN (European Laboratory for Particle Physics)
Skills	<b>Hybrid photodetector design</b>

<b>TEACHING</b>	<b>Teaching Science, Department of Biology, University of Osijek, 2024 – 2025</b>
	<b>Science in Everyday Life, Department of Physics, University of Osijek, 2021 – 2025</b>
	<b>Linux for Physicists, Department of Physics, University of Osijek, 2021 – 2025</b>
	<b>Introduction to Astroparticle Physics, Department of Physics, University of Osijek, 2021 – 2025</b>
	<b>Introduction to Astronomy and Astrophysics, Department of Physics, University of Osijek, 2018 – 2025</b>
	<b>Special and General Relativity, Department of Physics, University of Osijek, 2016 – 2025</b>
	<b>Computational Physics, Department of Physics, University of Osijek, 2016 – 2025</b>
	<b>Physics, Faculty of Civil Engineering and Architecture, University of Osijek, 2016 – 2025</b>
	Selected topics in physics, Department of Physics, University of Osijek, 2016 – 2020
	Electrodynamics 1, Department of Physics, University of Osijek, 2016 – 2017
	Computing Laboratory, Faculty of Science, University of Zagreb, 2008 – 2015
	General physics, Faculty of Electrical Engineering and Computing, University of Zagreb, 1998 – 2007

<b>MEMBERSHIPS</b>	<b>The MAGIC collaboration</b>
	<b>The CTA collaboration</b>
	Croatian Astronomical Society

<b>COMMITTEES, BOARDS AND WORK GROUPS</b>	Editorial board of <i>Priroda</i> magazine, 2011 – 2020, member; 2017 – 2018 chief editor
	State committee for the astronomy competition, 2010 – 2017, member; 2014 – 2016, president
	Expert group for the construction of the national curriculum for the Science, 2015 – 2016, member

#### PERSONAL SKILLS AND COMPETENCIES

Language	English
Speaking	proficient (C2)
Writing	proficient (C2)
Listening and reading	proficient (C2)

<b>COMPUTER SKILLS</b>	<b>Python; Linux shell scripts; MODTRAN; LaTeX; web applications</b>
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<b>FIELDS OF INTEREST</b>	Astroparticle Physics, <b>High Energy Gamma-Ray Astronomy</b> , Cherenkov Telescopes
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<b>PUBLICATIONS</b>	number of scientific papers (InSPIRE): <b>188</b>
	number of citations (InSPIRE): <b>14153</b>
	h-index (InSPIRE): <b>59</b>