



Milan Milošević

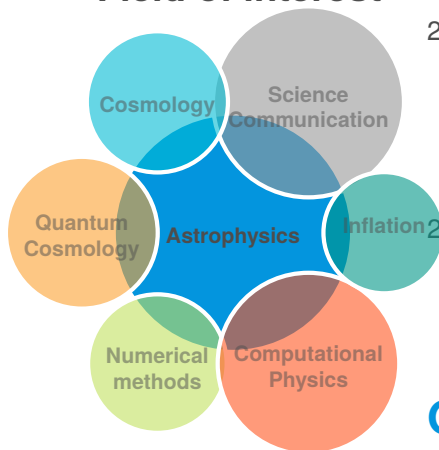
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Research IDs
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Scopus ID: 55603811300
Google Scholar

Field of interest



Education

2010-2017 **PhD - Theoretical Physics** [Faculty of Sciences and Mathematics, University of Niš](#)
Thesis: *Inflationary Cosmological Models with Tachyon and Radion Fields*
Mentor: **Goran Djordjević**, PhD, full professor

2000-2010 **MSc - General Physics** [Faculty of Sciences and Mathematics, University of Niš](#)
Thesis: *Inflationary Cosmological Models*

Radno iskustvo

2017-present **Assistant Professor** [Faculty of Sciences and Mathematics, University of Niš](#)

2021-present **Visiting Professor** [Department of Physics, Faculty of Science, University of Novi Sad](#)
Subjects: *Instruments in Astronomy and Observations* i *Cosmology and Extragalactic Astronomy*

2023-present **Head of Department** [Department of Physics, Faculty of Sciences and Mathematics, University of Niš](#)

2016-present **Teacher** [Gymnasium "Svetozar Marković", Niš](#)
Subjects *Modeling in Physics*, 4th grade; *Astronomy*, 4th grade; *Introduction to Informatics and Computing*, 2nd grade (2017-2018); High school class for students with special abilities in physics; Mentor of 15 graduation papers

2014-2017 **Research Assistant** [Faculty of Sciences and Mathematics, University of Niš](#)
Researcher on the project of the Serbian ministry of Education and Science No. OI176021; **teaching assistant** for courses at Department of Physics, Department of Biology with Ecology and Department of Geography (Undergraduate and Master academic studies)

2011-2014 **Research Trainee** [Faculty of Sciences and Mathematics, University of Niš](#)
Researcher on the project of the Serbian ministry of Education and Science No. OI176021; **teaching assistant** for courses at Department of Physics (Master academic studies)

Ostalo iskustvo

2015-present **Linux System Engineer** [Svet nauke \(eng. World of Science\)](#)
Providing hosting for web sites of Astronomical Society "Alpha", Astronomical Magazine, Physical Society Niš, and Departemnt of Physics

Office Software



2005-present **Linux System Administrator** [SEENET-MTP Network](#)
 Southeastern European Network in Mathematical and Theoretical Physics (SEENET-MTP); System and website mainenance, web design and web programming

2004-present **Editor-in-Chief and Author** [Svet nauke \(eng. World of Science\)](#)
Svet nauke is one of the most popular web sites in West Balkan region in the field of sicene communication and popularisation; the web site was selected as one of the TOP5 of the best web sites in the field *Science and Culture* by the choice of the magazine *PC Press* (years 2010 and 2011).

01/16-06/17 **Technical Editor** [Journal and web site Physics Education](#)

Software Packages



11/16-12/16 **Guest Technical Editor** [Facta Universitatis \(Niš\) Series: Physics, Chemistry and Technology, University of Niš](#)

Teaching Experience

2021-present **Numerical Cosmology** [Lectures](#)
 PhD Program, Department of Physics

2021-present **Numerical Methods in Physics** [Lectures and Tutorials](#)
 Master Program, Department of Physics

2021-present **Astrophysics** [Lectures and Tutorials](#)
 Master Program, Department of Physics

2021-present **Large Scale Structure of the Universe** [Lectures and Tutorials](#)
 Master Program, Department of Physics

2021-present **Computational Software in Physics** [Lectures and Tutorials](#)
 Bachelor Program, Department of Physics

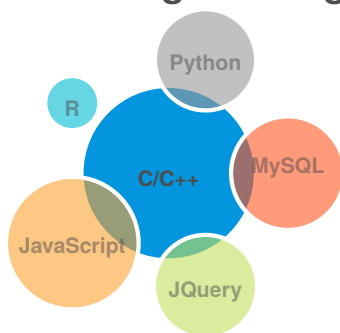
2021-present **Introduction to Astrobiology** [Lectures and Tutorials](#)
 Bachelor Program, Department of Biology

2017-2021 **Computational Software in Physics** [Lectures and Tutorials](#)
 Master Program, Department of Physics

2017-2021 **Bachelor** [Lectures and Tutorials](#)
 Master Program, Department of Physics

2017-2021 **Astronomy** [Lectures and Tutorials](#)
 Master Program, Department of Geography

Programming



Operating Systems

- Ubuntu Linux ★★★★★
- MS Windows ★★★★★
- CentOS Linux ★★★★★
- Scientific Linux ★★★★★
- Fedora ★★★★★

Languages

- English ★★★★★

2021-present	Introduction to Cosmology Bachelor Program, Department of Physics	Tutorials
2015-danas	Programming in Phsics Bachelor Program, Department of Physics	Tutorials
2011-2022	Numerical Methods in Physics Master Program, Department of Physics	Tutorials
2011-2017	Computational Software in Physics Master Program, Department of Physics	Tutorials
2011-2017	Visual Quantum Mechanics Master Program, Department of Physics	Tutorials
2016-2022	Introduction to Astrophysics Master Program, Department of Physics	Tutorials
2016-2017	Astronomy Master Program, Department of Geography	Tutorials
2016-2021	Introduction to Astrobiology Master Program, Department of Biology	Tutorials

International Projects

2022-danas	Bridging high and low energies in search of quantum gravity (BridgeQG) COST Action CA23130
2022-present	Addressing observational tensions in cosmology with systematics and fundamental physics (CosmoVerse) COST Action CA21136
2022-present	COSMIC WISPerS in the Dark Universe: Theory, astrophysics and experiments COST Action CA21106
2019-2023	Quantum gravity phenomenology in the multi-messenger approach (QG-MM) COST Action CA18108
2017-2020	NetChem :: ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry education Erasmus+
2016-present	NT-03 Cosmology: Classical and Quantum Challenges ICTP - SEENET-MTP

2016-2020	Cosmology and Astrophysics Network for Theoretical Advances and Training Actions (CANTATA)	COST Action CA15117
2015-present	The CERN – SEENET-MTP PhD Training program	CERN, ICTP
2012-2013	Research-training program in Mathematical and Theoretical Physics CFS 13-10 n.: 45000194266	UNESCO
2011-2016	PRJ-09 Cosmology and Strings	ICTP - SEENET-MTP
2011-2012	Mathematical and Theoretical Physics SEE AFC 11-18 n.: 4500143843	UNESCO
2010-2011	Training and Mobility Program. Promotion of excellence and growing of the youth's interest for education in Physics and Mathematics AFC 10-12	UNESCO
2009-2010	Map of Excellence in Physics and Mathematics in SEE AFC 09-50 4500085387	UNESCO

National Projects

2011-2019	Visible and invisible matter in nearby galaxies: theory and observations, br. OI 176021	Team member Ministry of Education, Science and Technological Development, Serbia
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Project on Science Communication and Promotion of Science

09/22-12/23	How can you catch the stars?	Coordinator Center for Promotion of Science, project carrier AS Alpha Science (astronomy and physics) promotion and popularisation in South and East part of Serbia
09/20-12/21	Small steps to astronomy	Coordinator Center for Promotion of Science, project carrier AS Alpha Science (astronomy and physics) promotion and popularisation in South and East part of Serbia

- 07/19-12/19 **Apolo on the net** Coordinator
 Center for Promotion of Science, project carrier AS Alpha
 Science (astronomy and physics) promotion and popularisation in South and East part of Serbia
- 06/17-05/18 **Astronomy Everywhere** Coordinator
 Center for Promotion of Science, project carrier AS Alpha
 Science (astronomy and physics) promotion and popularisation in South and East part of Serbia
- 09/15-12/15 **Astronomy in rural areas** Coordinator
 Center for Promotion of Science, project carrier AS Alpha
 Science (astronomy and physics) promotion and popularisation in South and East part of Serbia
- 09/13-12/13 **Astronomy for everyone** Coordinator
 Center for Promotion of Science, project carrier AS Alpha
 Science (astronomy and physics) promotion and popularisation in South and East part of Serbia
- 2013-2014 **Eco-Lighting** Team member
 Students' project; program *Pokreni se za budućnost*
 installation of lighting at the faculty
- 2012-2013 **Astronomy from the Armchair** Team member
 Students' project; program *Pokreni se za budućnost*
 building and equipping the astronomical observatory on roof of the faculty

Scholarships

- 10/18-11/18 **STSM** Rudjer Bošković Institute, Zagreb, Croatia
 COST Action CA15117
- 11/15-01/11 **Student scholarship** LMU-MPI, Munich, Germany
 Bavarian State Ministry for Education, Science and the Arts;
 Mobility program *String Theory and Theoretical Physics*
- 07/04-09/04 **Student Scholarship** DESY, Hamburg, Germany
 Summer School

Scientific Meetings and Schools

- 08/2024 **First Balkan student Summer School on Astronomy and Astrophysics**
"A child from the Balkans counts the stars" Thessaloniki, Greece
 Talk: *Kepler's Laws - From Mars to Supermassive Black Holes*

- 10/2023 **XX Serbian Astronomical Conference** [Belgrade, Serbia](#)
Talk: *Fast Numerical Test of Inflationary Models*
- 11/2021 **TIM21 Physics Conference** [Timisoara, Romania](#)
Invited talk: *Observational Tests of Tachyonic and Holographic Models of Inflation*
- 09/2020 **Workshop "Quantum Fields and Nonlinear Phenomena"** [Craiova, Romania](#)
Talk: *Observational parameters of Inflation in Holographic cosmology*
- 09/2020 **CERN – SEENET-MTP - ICTP PhD Training Program - Computational Methods in Theoretical Physics** [Craiova, Romania](#)
Talk: *Numerical inflation: simulation of observational parameters*
- 09/2019 **10th Mathematical Physics Meeting: School and Conference on Modern Mathematical Physics** [Belgrade, Serbia](#)
Talk: *Slow-roll parameters in extended RSII model*
- 05/2019 **Elementi i događaji o razvoju astronomije i fizike na području današnje Vojvodine** [Novi Sad, Serbia](#)
Talk: *Razvoj astronomije u Nišavskom okrugu*
- 08/2018 **The 10th Jubilee Conference of the Balkan Physical Union (BPU10)** [Sofia, Bulgaria](#)
Talk: *Numerical Calculation of Hubble Hierarchy Parameters and Observational Parameters*
- 06/2018 **SEENET-MTP Balkan School and Workshop BSW2018** [Niš, Serbia](#)
Talk: *The shape of Fe K α line emitted from relativistic accretion disc around AGN black holes*
- 12/2017 **ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education NETCHEM Work Meeting** [Belgrade, Serbia](#)
Talk: *Remote Access case studyexperiences from Astronomy project*
- 11/2017 **The Community for Science Education – STEM partnership for quality (CNCES 2017)** [Bucharest, Romania](#)
Talk: *Popularization of (astro)Physics in South-Eastern Serbia*
- 10/2017 **18th Serbian Astronomical Conference** [Belgrade, Serbia](#)
Talk: *Braneworld Cosmology and Tachyon Inflation – RSII Numerical Models*
- 10/2017 **CERN – SEENET-MTP PhD Training Program - New Trends in High Energy Theory** [Sofia, Bulgaria](#)
- 09/2017 **Λ CDM and Beyond: Cosmology Tools in Theory and in Practice** [Corfu, Greece](#)

06/2017	Workshop on Open Source Solutions for the Internet of Things Talk: <i>IoT and Physics - from a Simple Pendulum to Cosmic Rays</i>	ICTP, Trieste, Italy
12/2016	CERN – SEENET-MTP PhD Training Program - Computational methods in Cosmology and General Relativity Tutorial: <i>Hamiltonian method and its application to braneworld cosmology</i> , u saradnji sa prof. dr Nevenom Bilićem	Timisoara, Romania
05/2015	First Advanced School on Cosmology	ICTP, Trieste, Italy
11/2014	TIM 14 Physics Conference Talk: <i>Tachyonic and Locally Equivalent Canonical Lagrangians – the Polynomial Case</i>	Timisoara, Romania
05/2013	XII Kongres fizičara	Vrnjačka Banja, Serbia
11/2012	TIM 12 Physics Conference	Timisoara, Romania
07/2012	Summer School on Cosmology	ICTP, Trieste, Italy
11/2011	TIM 11 Physics Conference	Timisoara, Romania
06/2011	Summer School on Particle Physics	ICTP, Trieste, Italy
06/2010	Summer School on Cosmology	ICTP, Trieste, Italy
02/2008	School and Workshop on New Perspective in Wireless Networking	ICTP, Trieste, Italy
09/2006	International School on Modern Trends in Mathematical Physics	Sofia, Bulgaria

Visiting Talks

11/2018	Ruder Bošković Intitute Talk: <i>Observational Parameters in a Braneworld Inflationary Scenario</i>	Zagreb, Croatia
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04/2018	Department of Physics, Faculty of Science Talk: <i>Tachyon Inflation and Randall-Sundrum models</i>	Novi Sad, Serbia
02/2018	Seminar za teoriju relativnosti i kosmološke modele, Matematički institut SANU Talk: <i>Inflatorni kosmološki modeli – svet na brani i tahionska inflacija</i>	Belgrade, Serbia

Membership and Collaborations

2016-present	European Physical Society	member
2013 - 2016	Journal Popular Science Serbia	associate
2012 - present	Physical Society Niš since 2013; a member since 2012	secretary
2012 - 2016	Physical Society of Serbia	member
2005 - present	SEENET-MTP Network	member
2003 - 2009	Journal Astronomija	editor
1999 - present	Website Astronomski magazin	editor
1998 - present	Astronomical Society Alpha since April 2009, member since 1998	vice president

Membership in Organizing Committee

2025	The 12th International Conference of the Balkan Physical Union - BPU12	Bucharest, Romania
2023	BWXX / BW2023 SEENET-MTP Meeting	Vrnjačka Banja, Serbia
2022	The 11th International Conference of the Balkan Physical Union - BPU11	Beograd, Serbia

2022	COST CA18108 - Workshop on Theoretical Aspects of Quantum Gravity Beograd, Serbia
2022	COST CA18108 - The Second Training School Quantum gravity phenomenology in the multi-messenger approach Beograd, Serbia
2022	SEENET-MTP Workshop BWAM22 Beograd, Serbia
2022	CERN - SEENET-MTP - ICTP School - BS2022 Beograd, Serbia
2021	SEENET-MTP Workshop BW2021 Beograd, Serbia
2018	SEENET-MTP Balkan School and Workshop BSW2018 Niš, Serbia
2013	Balkan Workshop BW2013 Vrnjačka Banja, Serbia
2011	Balkan Summer Institute BSI2011 Niš / Donji Milanovac, Serbia
2009	Spring School on Strings, Cosmology and Particles Beograd / Niš, Serbia
2007	III Southeastern European Workshop Challenges Beyond the Standard Model BW2007 Kladovo, Serbia
2007	New methods in string theory and quantization SQ2007 Niš, Serbia
2005	Quantum Models on Noncommutative and Deformed Spaces Niš, Serbia
2005	II Southeastern European Workshop Challenges Beyond the Standard Model BW2005 Vrnjačka Banja, Serbia

Ostale informacije

He published 30 scientific papers, of which 13 are in academic journals with impact factor (IF). He is actively working in the field of promotion of science and (internet) journalism. He has given about more than 90 public lectures and has authored over 250 articles in the field of popular science, in particular astrophysics and physics.