

Univerzitet Crne Gore
Prirodno-matematički fakultet

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Broj:

2024/01-511/4

Datum:

19. 03. 2024.

UNIVERZITET CRNE GORE
SENATU
CENTRU ZA DOKTORSKE STUDIJE

U prilogu akta dostavljamo Odluku sa CXI sjednice Vijeća Prirodno-matematičkog fakulteta održane 12.03.2024. godine

S poštovanjem



Docent,

Prof. dr. Miljan Bigović



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Broj: 2024/01-511

Datum: 19.03.2024.

Na osnovu člana 64 Statuta Univerziteta Crne Gore, a u vezi sa članom 29 stav 1 Pravila studiranja na doktorskim studijama Univerziteta Crne Gore, Predloga komisije za doktorske studije broj 2024/01-607 od 11.03.2024.godine, na CXI sjednici održanoj 12.03.2024.godine, Vijeće je donijelo

ODLUKU

I

Predlažemo Centru za doktorske studije Univerziteta Crne Gore prof. dr Svjetlanu Terzić redovnu profesoricu Prirodno-matematičkog fakulteta Univerziteta Crne Gore za mentora – Mariji Došljak.


II

Dokumentacija o ispunjenosti uslova za imenovanje mentora i Potvrda o studiranju Marije Došljak predstavljaju sastavni dio odluke.

III

Odluka se dostavlja Senatu i Odboru za doktorske studije.





 UCG	MOLBA ZA IMENOVANJE MENTORA <i>stud. 2023/24. god.</i>	
<i>fakultet / institut</i>	Prirodno-matematički fakultet	
<i>studijski program</i>	Matematika	
<i>student (Ime Prezime)</i>	Marija Došljak	
<i>br. ind.</i>	2 / 23	
<i>predloženi prvi mentor</i> <small>(popuniti ako predloženi mentor nije sa fakulteta UCG na kojem je organizovan studijski program)</small>	<small>(Ime Prezime)</small> Sjetlana Terzić	docent <input type="checkbox"/> vanredni prof. <input type="checkbox"/> redovni prof. <input checked="" type="checkbox"/> naučni sarad. <input type="checkbox"/> viši nauč. sarad. <input type="checkbox"/> naučni savj. <input type="checkbox"/>
	<i>fakultet / institut:</i>	
<i>predloženi drugi mentor</i> <small>(popuniti ako predloženi mentor nije sa fakulteta UCG na kojem je organizovan studijski program)</small>	<small>(Ime Prezime)</small>	docent <input type="checkbox"/> vanredni prof. <input type="checkbox"/> redovni prof. <input type="checkbox"/> naučni sarad. <input type="checkbox"/> viši nauč. sarad. <input type="checkbox"/> naučni savj. <input type="checkbox"/>
	<i>fakultet / institut:</i>	
Datum:	Molbu podnosi student: <i>(potpis)</i> Marija Došljak	
	Sa molbom saglasan prvi mentor: <i>(potpis)</i>	
	Sa molbom saglasan drugi mentor: <i>(potpis)</i>	

MENTORSTVO

 UNIVERZITET CRNE GORE
 PRIRODNO-MATEMATIČKI FAKULTET

 Broj 2024/01-511/2

 Podgorica, 19.03. 2024 god.

IME I PREZIME KANDIDATA		Marija Došlja		
PREDLOŽENI MENTOR/I				
	Titula, ime i prezime	Ustanova i država		Naučna oblast
Prvi mentor	Dr Svjetlana Terzić	PMF-UCG		Matematika
Drugi mentor				
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora				
KOMPETENCIJE MENTORA (u skladu sa članom 29 Pravila doktorskih studija)				
Prvi mentor	1	Svjetlana Terzić, <i>Rational topology of gauge groups and of spaces of connections</i> , <i>Compositio Mathematicae</i> , 141 (2005), no.1, 262-270.		
	2	D. Kotschick and S. Terzić, <i>Chern numbers and the geometry of partial flag manifolds</i> , <i>Commentarii Mathematici Helvetici</i> , 84 (2009), no.3, 587 – 616.		
	3	Jelena Grbić and Svjetlana Terzić, <i>The integral Pontryagin homology of the based loop space on a flag manifold</i> , <i>Osaka Journal of Mathematics</i> 47 (2010), no 2, 439 – 460.		
	4	Victor M. Buchstaber and Svjetlana Terzić, <i>Toric genera of homogeneous spaces and their fibrations</i> , <i>International Mathematics Research Notices</i> , Vol. 2013, 1324-1403.		
	5	I. Victor M. Buchstaber and Svjetlana Terzić, <i>The orbit spaces $G_{n,2}/T^n$ and the Chow quotients $G_{n,2}/(C^*)^n$</i> , <i>Mat. Sb.</i> , 214 :12 (2023), 46–75		
Drugi mentor	1			
	2			
	3			
	4			
	5			
PODACI O MAGISTRANDIMA I DOKTORANDIMA				
	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor	2	6	1	7
Drugi mentor				
Datum i ovjera (pečat i potpis odgovorne osobe)				
U (navesti grad), (navesti datum)				
			DEKAN 	

УНИВЕРЗИТЕТ ЦРНЕ ГОРЕ

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УНИВЕРЗИТЕТ ЦРНЕ ГОРЕ
Природно-математички факултет
Број: 766
Датум: 31. 03. 2010

Број: 08-414
Датум, 05.03.2010 г.

Ref: _____
Date, _____

Na osnovu člana 75 stav 2 Zakona o visokom obrazovanju (Sl.list RCG br. 60/03) i člana 18 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 25.03.2010. godine, donio je

ODLUKU O IZBORU U ZVANJE

Dr SVJETLANA TERZIĆ bira se u akademsko zvanje **redovni profesor** Univerziteta Crne Gore za predmete: Uvod u geometriju i Algebarska topologija na osnovnom studijskom programu Matematika i Uvov u diferencijalnu geometriju na osnovnom studijskom programu Matematika i računarske nauke na **Prirodno-matematičkom fakultetu**.

REKTOR

Mirnović
Prof.dr Predrag Miranović

Biography: Svjetlana Terzić

Date and place of birth: 17.09.1970, Podgorica, Montenegro;

Citizenship: Montenegro

Sex: female

Research areas: Mathematics – Algebraic topology, Differential geometry

Academic degrees:

- Graduated mathematician – University of Montenegro, 09. 1993., average degree 9,96 of total 10
- Master of Mathematics – University of Belgrade, 06. 1996., average degree 10 of total 10
Master thesis “Characteristic classes of hypercomplex vector bundles”, supervisor Prof. Novica Blažić
- PhD in mathematics – Moscow State University “M. V. Lomonosov”, 02. 1996 – 07. 1998, average degree 5 of total 5
- PhD thesis “Real cohomology and characteristic classes of generalized symmetric spaces”, Supervisor Prof. Yuri P. Solovyov, 06. 1998.
- Postdoc position: 08. 2000- 08. 2002, Ludwig Maximilians University, Munich, Germany

Academic title:

- 1993 -2000 – Teaching assistant, University of Montenegro
- 2000-2005 - Docent, University of Montenegro
- 2005-2010 – Associate professor, University of Montenegro
- 2010- Full professor, University of Montenegro
- 2011 –Associate member of the Montenegrin Academy of Sciences and Arts
- 2018 – Full member of the Montenegrin Academy of Sciences and Arts

Selected talks by an invitation in the last 10 years:

1. International topological conference “Alexandroff readings, Moscow state university “M. V. Lomonosov”, May 2012, plenary talk
2. The second mathematical conference of the Republic of Srpska, Trebinje, Jun, 2012, plenary talk
3. Geometric structure on manifolds and their applications, Castle Rauschholzhausen, Marburg, July, 2012.
4. XVII geometrical seminar, Zlatibor, Serbia, August, 2012.
5. The third mathematical conference of the Republic of Srpska, Trebinje, Jun, 2013
6. International conference “Algebraic topology and Abelian function” in honor of Victor Buchstaber on occasion of his 70th birthday, Moscow, June, 2013.
7. Geometry and analysis of metric structures, Sobolov institute of mathematics, Russian Academy of Sciences, Novosibirsk, December, 2013.
8. Topology of torus actions and its applications to geometry, Satellite conference of ICM, Daejeon, Korea, August, 2014.
9. International conference “Torus actions in geometry, topology and applications, Skolkovo, Moscow, February, 2015.
10. The fifth mathematical conference of the Republic of Srpska, Trebinje, Jun 2015.
11. International Chinese-Russian conference “Torus actions: topology, geometry and number theory, Beijing, China, October, 2015.

11. Aspects of Homotopy Theory, Southampton, UK, December 2015.
12. XIX Geometrical Seminar, Zlatibor, Serbia, September 2016
13. Mini conference celebrating of 30 years of CGTA seminar, Belgrade, Serbia, September 2016, plenary talk
14. The Princeton-Rider Workshop on the Homotopy Theory of Polyhedral products, Princeton and Rider University, Princeton, USA, May-June, 2017.
15. Symposium on mathematics and it applications, Belgrade, Serbia, November 2017.
16. International conference “Algebraic topology, Combinatorics and Mathematical Physics” in honor of Victor Buchstaber on occasion of his 75th birthday, Moscow, May, 2018.
17. International conference “Modern algebra and Analysis and their Applications, Academy of Sciences and Arts of Bosnia and Herzegovina, Sarajevo, September, 2018.
18. Meeting of mathematicians of Serbia and Montenegro, Budva, October, 2019.
19. Toric topology 2019 in Okayama, Okayama, Japan, November, 2019.
20. XX symposium Mathematics and its applications, Belgrade, December, 2019
21. Workshop on Torus actions in Topology, Fields Institute, Toronto, Canada, May, 2020, via zoom
22. Workshop on toric topology, geometry and related subjects, Moscow, November , 2020, via zoom
23. International conference “Algebraic topology and applications”, Moscow December, 2021, via zoom
24. GDIS – Geometry, Dynamics and Integrable Systems, Zlatibor, Serbia, Jun, 2022
25. XXI Geometrical Seminar, Belgrade, Serbia, Jun, 2022.
26. Toric topology, combinatorics and data analysis, October 2022, Euler institute, Saint Petersburg, Russia
27. Kick-off meeting Calista, June 2023, Bologna, Italy
28. 30 years of Mathematical methods in mechanics seminar, May, 2023, Mathematical institute, SASA, Belgrade, Serbia
29. Algebraic topology, combinatorics and mathematical physics, October, 2023, Sirius international mathematical center, Sochi, Russia

Lecture at the research mathematical seminars in the last 10 years:

- 013, SANU, talk at the seminar Mathematical methods of mechanics
 - October 2016, Faculty of Mechanics and Mathematics, MSU “M. V. Lomonosov”, Moscow, Russia, talk at the seminar for Geometry, topology and mathematical physics, chaired by V. M. Buchstaber and S. P. Novikov
 - May 2017, University of Southampton, UK; talk at Topology seminar
 - December 2018, University of Southampton, UK, talk at Topology seminar
 - May 2019, University of Vienna, talk at Complex analysis seminar
 - November 2019, talk at One day topology seminar in Osaka, Osaka, Japan
 - October 2020, University of Southampton, talk at Topology seminar, via zoom
 - November 2020, Princeton University, talk at International Polyhedral Product seminar, via zoom
 - March 2021, Moscow State University “M. V. Lomonosov”, talk at seminar Knots theory and representations, via zoom
 - April 2021, Mathematical faculty Belgrade, seminar for Geometry, via zoom

Selected awards and grants:

1. Award 19. December for the best student in generation 1991.
2. Plaque of University of Montenegro for the best graduated student in generation 1993.
3. Award of the Montenegrin Academy of Sciences and Arts for scientific achievements, 2003.
4. Grant of the European union of mathematicians for participation at IV European Congress of Mathematicians, Stockholm, Sweden, 2004
5. WUS-Austria 2-weeks visit of Jelena Grbić to Podgorica, Montenegro, April, 2007.
6. Oxford Colleges hospitality scheme, 1-month visit to University in Oxford, January, 2007
7. Grant of the European union of mathematicians for participation at V European Congress of Mathematicians Amsterdam, Holland, 2008.
8. Grant of the IMU for participation at International Congress of Mathematicians, Hyderabad, India, 2010.
9. Bilateral grant with University of Ljubljana, Slovenia, 2012-2013.
10. Principal researcher at the project of Ministry of Science of Montenegro, 2012-2015.
11. Principal researcher at the international project of SISSA, Trieste, 2008-2010.
12. External researcher at the project 174020 of Ministry of Science Serbia, 2011-2015.
13. Research grant of London Mathematical Society with Jelena Grbić, 2-weeks visit to University of Southampton, 2013.
14. Grant – research on pairs with Jelena Grbić, 3-weeks visit to Mathematical institute in Oberwolfach, Germany, 2014.
15. Grant of IMU for participation at International Congress of Mathematicians, Rio de Janeiro, Brazil, 2018.

Some research visits:

Mechanics-mathematical faculty, Moscow State University “M. V. Lomonosov”, Steklov Institute of Mathematics, RAS-- 1999, 2003, 2005, 2006, 2008, 2009, 2012, 2013, 2015, 2016, 2018; SISSA Trieste 2010; Mathematical faculty, Ljubljana, 2012, 2013; Mathematical faculty, University of Southampton, 2013, 2015, 2017; University of Aberdeen, 2006; University in Manchester 2007, The Fields institute for research in mathematical sciences, Toronto, Canada, 2020.

Teaching and supervision:

I have taught courses at different levels of studying at the Faculty of Science and Mathematics of University of Montenegro: Introduction into Geometry, Introduction into Differential Geometry, Algebraic topology, Differential geometry on manifolds, Geometry, Advanced algebra

I have been supervisor for more than 20 diploma thesis and 5 master thesis, co-supervisor of phd thesis at Mathematical faculty, University of Nica Sophia Antipolis, member of the committee for phd thesis at University of Belgrade, University of East Sarajevo, University in Southampton, University of Montenegro

Others:

- Editor:
 1. Sarajevo Journal of Mathematics, published by Academy of Sciences and Arts of Bosnia and Herzegovina
 2. Matematički Vesnik, published by Society of mathematicians of Serbia
- Referees for : Publication de l'Institut Mathématique, Contemporary Mathematics, Proceedings of the Steklov Institute of Mathematics, Annali di Matematica Pura ed Applicata, Mathematica Slovaca, Mathematische Zeitschrift, Sbornik:Mathematics, Algebraic and Geometric Topology, Homology, Homotopy and Applications, Moroccan Journal of Pure and Applied Analysis
- Vice dean for International cooperation at Faculty of Science and Mathematics, University of Montenegro za, 2004 – 2007.

Publication list for Svjetlana Terzić

1. Svjetlana Terzić, *Real cohomology and Pontryagin characteristic classes of generalised symmetric spaces*, (Russian) Vsesojuzni Institut Nauchnoj i Tehnicheskoj Informacii, VINITI, V-1034, Moscow, 1998, 1-94.
2. Svjetlana Terzić, *Generalised symmetric spaces and their topology*, (Russian) *Mathematica Montisnigri* 11 (1999), 139-150.
3. Svjetlana Terzić, *Characteristic classes of hypercomplex vector bundles*, Montenegrin Academy of Sciences and Arts, *Proceeding of the Section of Natural Sciences*, 13 (2000)
4. Svjetlana Terzić, *Cohomology with real coefficients of generalized symmetric spaces*, (Russian) *Fundamentalnaya i Prikladnaya Matematika*, Vol. 7, (2001), no. 1, 131-157.
5. Svjetlana Terzić, *Pontryagin classes of generalized symmetric spaces*, (Russian) *Matematicheskie Zametki*, Vol. 69, (2001), no.4, 613-621; English transl. in *Mathematical Notes*, Vol. 69, (2001), no. 4, 559-566.
6. D. Kotschick and S. Terzić, *On formality of generalised symmetric spaces*, *Mathematical Proceedings of Cambridge Philosophical Society*, 134 (2003), 491-505.
7. S. Terzić, *Rational homotopy groups of generalised symmetric spaces*, *Mathematische Zeitschrift*, 243 (2003), 491-523.
8. S. Terzić, *On rational topology of four manifolds*, *Proceeding of the Workshop Contemporary Geometry and Related Topics*, World Scientific 2004, 375-389.
9. Svjetlana Terzić, *Rational topology of gauge groups and of spaces of connections*, *Compositio Mathematicae*, 141 (2005), no.1, 262-270.
10. Svjetlana Terzić, *On geometric formality*, *Proceedings of the Workshop devoted to 25th anniversary of the Faculty of Natural Sciences and Mathematics, University of Montenegro, Contemporary mathematics, physics and biology*, (2006), 208-215.
11. Victor M. Buchstaber and Svjetlana Terzić, *Equivariant complex structures on homogeneous spaces and their cobordism classes*, *Advances in the Mathematical Sciences, Geometry, topology and mathematical physics, Translations 2*, 224 (2008), 27 – 57, American Mathematical Society
12. D. Kotschick and S. Terzić, *Chern numbers and the geometry of partial flag manifolds*, *Commentarii Mathematici Helvetici*, 84 (2009), no.3, 587 – 616.
13. Jelena Grbić and Svjetlana Terzić, *The integral Pontryagin homology of the based loop space on a flag manifold*, *Osaka Journal of Mathematics* 47 (2010), no 2, 439 – 460.

14. Svjetlana Terzić, *Integral loop homology of complete flag manifolds* (joint with Jelena Grbić), Oberwolfach reports 19/2009, Homotopy Theory of Function Spaces and Related Topics, European Mathematical Society Publishing House, 1038 – 1040.
15. D. Kotschick and S. Terzić, *Geometric formality of homogeneous spaces and of biquotients*, Pacific Journal of Mathematics, 249 (2011), no 1, 157 – 176.
16. Victor M. Buchstaber and Svjetlana Terzić, *Toric genera of homogeneous spaces and their fibrations*, International Mathematics Research Notices, Vol. 2013, 1324-1403.
17. Svjetlana Terzić, *On real cohomology generators of compact homogeneous spaces*, Sarajevo Journal of Mathematics, Vol. 7 (20) (2011), No. 2, 277 – 287 .
18. Svjetlana Terzić, *Toric genera on homogeneous spaces and related problems*, Proceedings of the international conference “Toric topology and automorphic functions”, Far-Eastern Branch of the Russian Academy of Sciences, Pacific National University, 2011, 97 – 104.
19. Jelena Grbić and Svjetlana Terzić, *The integral homology ring of the based loop space on some generalised symmetric spaces*, Moscow Mathematical Journal, Volume 2012, Issue 4, Oct. – Dec. 2012, pp 771-786.
20. Svjetlana Terzić, *On cohomology ring of partial flag manifolds*, Proceedings of the Second Mathematical Conference of the Republic of Srpska, 2013, 11 - 17. (ISBN 978 – 99938 – 47 – 52 – 6)
21. Svjetlana Terzić, *Rational minimal model theory on compact homogeneous spaces*, Scripta Scientiarum Naturalium, Proceedings of the Faculty of Natural Sciences and Mathematics, University of Montenegro, Vol. 3. 2013, 3 – 17. (ISSN 1880 – 8356)
22. Victor M. Buchstaber and Svjetlana Terzić, *“(2n,k)-manifolds and applications”*, Report No 27/2014, Mathematisches Forschung Institut (25–31 May 2014), Oberwolfach, Germany, 2014, 11–14.
23. Victor M. Buchstaber and Svjetlana Terzić, *Topology and Geometry of the Canonical Action of T^4 on the complex Grassmannian $G_{4,2}$ and the complex projective space CP^5* , Moscow Mathematical Journal, Vol. 16, Issue 2 (2016), 237-273.
24. Svjetlana Terzić, *Geometric formality of rationally elliptic manifolds in small dimensions*, Glasnik of the Section of Natural Sciences, Montenegrin Academy of Sciences and Arts, 20 (2014), 131-145.
25. Svjetlana Terzić, *Rational Pontryagin homology rings of loop spaces of gauge groups and of spaces of connections on four-dimensional manifolds (Russian)*, translated from Fundam. Prikl. Mat. **21** (2016), no. 6, 205--215 J. Math. Sci. (N.Y.) **248** (2020), no. 6, 803--809
26. Svjetlana Terzić, *On geometric formality of rationally elliptic manifolds in dimensions 6 and 7*, Publ. Inst. Math. (Beograd) (N.S.) 103 (117) (2018), 211--222.
27. Svjetlana Terzić, *Rational Pontrjagin homology ring of the based loop space on some homogeneous spaces*, Sarajevo J. Math. **14(27)** (2018), no. 2, 275--285.

28. Victor M. Buchstaber and Svjetlana Terzić, *Toric topology of the complex Grassmann manifolds*. Mosc. Math. J. **19** (2019), no. 3, 397--463.
29. Victor M. Buchstaber and Svjetlana Terzić, *The foundations of $(2n, k)$ -manifolds*, (Russian), translated from Mat. Sb. **210** (2019), no. 4, 41--86 Sb. Math. **210** (2019), no. 4, 508--549
30. Dragana Borović and Svjetlana Terzić, *On rational Pontryagin homology ring of the based loop space on a four-manifold*, Mat. Vesnik **71** (2019), no. 1-2, 90—103
31. Victor M. Buchstaber and Svjetlana Terzić, *A resolution of singularities for the orbit spaces*, Proceedings of Steklov Inst. of Math. (2022), *Proc. Steklov Inst. Math.*, **317** (2022), 21–54
32. Victor M. Buchstaber and Svjetlana Terzić, *Compact torus action on the complex Grassmann manifolds*, The Fields Institute Communication Volume: Toric Topology and Polyhedral products, in press
33. Svjetlana Terzić, *Torus actions in topology*, Proceedings of the Section of Natural Sciences, Montenegrin Academy of Sciences and Arts, vol. 25, , (2021), 173-203
34. Victor M. Buchstaber and Svjetlana Terzić, *The orbit spaces and the Chow quotients*, *Mat. Sb.*, **214**:12 (2023), 46–75
35. Svjetlana Terzić, C^* -action on CP^N , *Matematički Vesnik*, 76, 1-2 (2024), 149-168.
- 36.