Univerzitet Crne Gore
Prirodno-matematički fakultet

Džordža Vašingtona b.b.
1000 Podgorica, Crna Gora

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Broj: 2024/01-2964/1
Datum: 29.10.2024

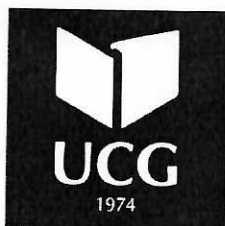# UNIVERZITET CRNE GORE

SENATU

CENTRU ZA DOKTORSKE STUDIJE

U prilogu akta dostavljam M obrazac za Mariju Došljak sa CXXIV sjednice Vijeća održane 15.10.2024. godine.

S poštovanjem,

Dekan,
Prof. Dr Miljan Bigović

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 PMF-a broj 2024/01-2640 od 07.10.2024.godine, na CXXIV sjednici Vijeća Prirodno-matematičkog fakulteta održanoj 15.10.2024.godine donijeta je

O D L U K A

I

Predlažemo Centru za doktorske studije Univerziteta Crne Gore prof. dr Svjetlanu Terzić, redovnog profesora na PMF-.u i dr Tarasa Paunova, redovnog profesor na Matematičkom fakultetu Moskovskog državnog univerziteta (MGU). za drugog mentora studentu doktorskih studija - studijski program Matematika – MSc 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.

D E K A N
Prof. dr Miljan Bigović

UCG

MENTORSTVO

Broj 2024/01-2640

Podgorica, 07.10. 2024 god.

IME I PREZIME KANDIDATA	Marija Došljak		
PREDLOŽENI MENTOR/I			
	Titula, ime i prezime	Ustanova i država	Naučna oblast
Prvi mentor	Dr Svjetlana Terzić	PMF-UCG	Matematika
Drugi mentor	Dr Taras Panov	Meh-Mat, MGU, Moskva	Matematika
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora	15.10.2024.		

KOMPETENCIJE MENTORA
(u skladu sa članom 29 Pravila doktorskih studija)

Prvi mentor	1	Svjetlana Terzić, *Rational topology of gauge groups and of spaces of connections*, Compositio Mathematicae, 141 (2005), no.1, 262-270.
	2	D. Kotschick and S. Terzić, *Chern numbers and the geometry of partial flag manifolds*, Commentarii Mathematici Helvetici, 84 (2009), no.3, 587 – 616.
	3	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.
	4	Victor M. Buchstaber and Svjetlana Terzić, *Toric genera of homogeneous spaces and their fibrations*, International Mathematics Research Notices, Vol. 2013, 1324-1403.
	5	Victor M. Buchstaber and Svjetlana Terzić, *The orbit spaces $G_{n,2}/T^n$ and the Chow quotients $G_{n,2}//(C^*)^n$*, Mat. Sb., **214**:12 (2023), 46–75
Drugi mentor	1	Taras Panov and Stephen Theriault. *The homotopy theory of polyhedral products associated with flag complexes*. Compositio Math. 155 (2019), no. 1, 206-228
	2	Georgy Chernykh and Taras Panov. *SU-linear operations in complex cobordism and the c_1-spherical bordism theory*. Izvestiya Ross. Akad. Nauk Ser. Mat. 87 (2023), no. 4, 133-165
	3	Victor Buchstaber and Taras Panov. *On manifolds defined by 4-colourings of simple 3-polytopes*. Uspekhi Mat. Nauk 71 (2016), no. 6, 157-158
	4	Taras Panov and Yakov Veryovkin. *On the commutator subgroup of a right-angled Artin group*. J. Algebra 521 (2019), 284-298
	5	Hiroaki Ishida, Roman Krutowski and Taras Panov. *Basic cohomology of canonical holomorphic foliations on complex moment-angle manifolds*. Internat. Math. Research Notices (2022), no. 7, 5541-5563

PODACI O MAGISTRANDIMA I DOKTORANDIMA

	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor	2	7	2	2
Drugi mentor	5	10	4	8

Datum i ovjera (pečat i potpis odgovorne osobe)

U (navesti grad),
(navesti datum)

MP

DEKAN

MOLBA ZA IMENOVANJE MENTORA
stud. 2023/24. god.

fakultet / institut	Prirodno-matematički fakultet, Univerzitet Crne Gore
studijski program	Matematika
student (Ime Prezime)	Marija Došljak
br. ind.	2/23

		docent ☐
predloženi prvi mentor	*Svjetlana Terzić*	docent ☐ vanredni prof. ☐ redovni prof. ☑ naučni sarad. ☐ viši nauč. sarad. ☐ naučni savj. ☐
(popuniti ako predloženi mentor nije sa fakulteta UCG na kojem je organizovan studijski program)	**fakultet / institut:**	
predloženi drugi mentor	*Taras Panov*	docent ☐ vanredni prof. ☐ redovni prof. ☑
(popuniti ako predloženi mentor nije sa fakulteta UCG na kojem je organizovan studijski program)	Katedra za Geometriju i topologiju, Mehaničko-matematički fakultet, Moskovski državni univerzitet "M. V. Lomonosov", Moskva, Rusija	naučni sarad. ☐ viši nauč. sarad. ☐ naučni savj. ☐

Datum:	Molbu podnosi student:	*Marija Došljak*
	Sa molbom saglasan prvi mentor:	*C. Terzić*
	Sa molbom saglasan drugi mentor:	*T. Panov*

Na osnovu člana 32 stav 1 tačka 14 Statuta Univerziteta Crne Gore, u vezi sa članom 29 Pravila doktorskih studija, Senat Univerziteta Crne Gore, u postupku razmatranja predloga Prirodno-matematičkog fakulteta, na predlog Odbora za doktorske studije, na sjednici održanoj 23.4.2024. godine, donio je sljedeću
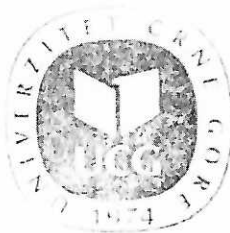
ODLUKU

I

Dr Svjetlana Terzić redovna profesorica Prirodno-matematičkog fakulteta Univerziteta Crne Gore imenuje se za mentorku, pri izradi doktorske disertacije kandidatkinje mr Marije Došljak.

II

Odluka stupa na snagu danom donošenja.

Broj: 03-*1958/2*
Podgorica, 23.4.2024. godine

PREDSJEDNIK SENATA

Prof. dr Vladimir Božović, rektor

UCG
Univerzitet Crne Gore

UNIVERZITET CRNE GORE
PRIRODNO MATEMATIČKI FAKULTET

MATEMATIKA

Broj dosijea:2/2023

Na osnovu člana 33 Zakona o upravnom postupku (Službeni list CG, br. 56/14,20/15, 40/16 i 37/17) i službene evidencije, a po zahtjevu <u>Došljak (Radun) Marija</u>, izdaje se

POTVRDA O STUDIRANJU

Student **Došljak (Radun) Marija** rođena **10.06.1999.** godine u mjestu **Berane**, opština **Berane**, **Crna Gora** upisan je studijske **2023/2024** godine u **I** godinu studija, kao student koji se **finansira samostalno** na **doktorske akademske studije**, studijski program **MATEMATIKA**, koji realizuje **PRIRODNO MATEMATIČKI FAKULTET** Univerziteta Crne Gore u trajanju od **3 (tri)** godine sa obimom od **180** kredita.

Studijske **2023/2024** godine upisala je **I** godinu studija po **1.** put i prijavila je da sluša **3** predmeta sa **40.00** (četrdeset) ECTS kredita.

Došljak (Radun) Marija studijske **2023/2024** godine **ima status studenta** koji se **finansira samostalno**.

Uvjerenje se izdaje na osnovu službene evidencije, a u svrhu ostvarivanja prava na: (dječji dodatak, porodičnu penziju, invalidski dodatak, zdravstvenu legitimaciju, povlašćenu vožnju za gradski saobraćaj, studenski dom, studentski kredit, stipendiju, regulisanje vojne obaveze i slično).

Broj: -
Podgorica, 28.10.2024.

SEKRETAR,
Nataša Ivanović

**Московский государственный университет
имени М. В. Ломоносова**

УДОСТОВЕРЕНИЕ №01/1013

*Панов
Тарас Евгеньевич*
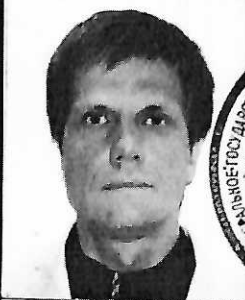
является *профессор
механико-математического
ф-та*

Начальник управления кадров
и кадровой политики

Выдано «26 апреля 20 16 г.

Личная подпись

Продлено
по «___»_____ 20___ г.

Продлено
по «31 декабря 20 26 г.

Taras Panov

Department of Geometry and Topology
Faculty of Mathematics and Mechanics
Moscow State University, Leninskie Gory
119991 Moscow RUSSIA
tel/fax: +7 495 939 3798
e-mail: tpanov at higeom.math.msu.su
Professor
Doctor of Science, Ph.D
Faculty member since 1998

Curriculum Vitae

Personal:

Born 10 February 1975 in Kiev, Ukraine, USSR. Russian citizen.

Education and degrees:

2009:

Doctor of Science degree, Moscow State University.

Title: ``Topology and combinatorics of torus actions", defended 25 December 2009. (Doctor of science thesis is a profound scientific research work required for attaining higher academic positions or professorships in the former USSR.)

1996-1999:

Candidate of Science degree (equivalent to PhD), Moscow State University.

Advisor: Prof. Victor M. Buchstaber.

Title: ``Topological invariants of manifolds with T_n- or Z/p-action", defended 11 June 1999.

1991-1996:

Diploma of Higher Education (equivalent to MSc), Moscow State University.

Diploma *cum laude*, 1996.

Thesis: ``Hopf 2-algebra structures in cohomology of manifolds, and duality properties".

Positions:

October 2010-present time:

Professor, Faculty of Mathematics and Mechanics, Moscow State University.

September 2000-present time:

Research fellow, Institute for Theoretical and Experimental Physics, Moscow.

April 2008-present time:

Leading research fellow, Institute for Information Transmission Problems, Russian Academy of Sciences, Moscow.

September 2005-July 2006:

JSPS postdoctoral research fellow, Department of Mathematics, Osaka City University, Japan (host: Prof. Mikiya Masuda).

February 2001-February 2002:

Royal Society/NATO postdoctoral fellow, Department of Mathematics, University of Manchester, U.K (host: Prof. Nigel Ray).

September 2001-September 2010:

Docent (equivalent to associate professor), Faculty of Mathematics and Mechanics, MSU.
September 1999-August 2001:
Assistant professor, Faculty of Mathematics and Mechanics, MSU.
1997-1999:
Junior research fellow, Faculty of Mathematics and Mechanics, MSU.

Research interests:
Algebraic and differential topology (cobordism theories and genera, torus actions, homotopy theory), algebraic geometry (toric varieties), combinatorics and combinatorial geometry
(polytopes, complexes, arrangements).

Honours and grants awarded:
2015-2020:
Simons-IUM Fellowship (grants of Simons Foundation for educational and research activity at the Independent University of Moscow).
2011-2013, 2014-2016:
Prize and stipend of Dmitri Zimin's "Dynasty" foundation for young scientists with a Doctor of Science degree.
2011-2012, 2013-2014:
President of Russia's Grant Programme for the support of young scientists with Dr.Sci degree (personal grants MD-2253.2011.1, MD-111.2013.1).
2010:
Moscow State University Shuvalov prize of I degree
2009:
Moscow State University Prize for young scientists.
2007-2009:
Pierre Deligne stipend (awarded as the winner of the 2006 Pierre Deligne contest; funded by P.Deligne's 2004 Balzan prize in Mathematics.)
2005-2006:
JSPS postdoctoral research fellowship, Department of Mathematics, Osaka City University (host: Prof. Mikiya Masuda).
2005:
London Mathematical Society grant for young Russian mathematicians, University of Manchester.
2004:
Moscow Mathematical Society Prize for young mathematicians for the series of works ``Invariants of manifolds with group actions".
2001, 2002, 2003:
State Prize for young researchers, Russian Ministry of Nuclear Energy, Institute for Theoretical and Experimental Physics, Moscow.
2001-2002:
Royal Society/NATO postdoctoral research fellowship, Department of Mathematics, University of Manchester (host: Prof. Nigel Ray).
1998-1999:
Participated in the INTAS long-term research grant INTAS 96-0770.
1996-present:

Ongoing participation in research projects funded by the Russian Science Foundation, Russian Foundation for Basic Research, Russian Government Programme for the Support of
Leading Scientific Schools.

Research visits:

July-August 2024:
Fields Institute for Research in Mathematical Sciences, Canada
November 2023:
Beijing Institute for Mathematical Sciences and Applications, China
January-June 2020:
Visiting Professor, University of Toronto, Fields Institute for Research in Mathematical Sciences, Canada
December 2018, April 2016, June 2015, November 2012, November-December 2010, July-August 2007, November-December 2004, November-December 2002:
Osaka City University, Japan.
November 2018, December 2017, July 2017, November-December 2014, June-July 2013, November 2009, January 2008:
Fudan University, Shanghai, China.
September 2017, September 2014:
Department of Mathematical Sciences, University of Southampton, UK.
Spring 2016, August-September 2013, July 2010, August 2008:
Sobolev Institute of Mathematics, Novosibirsk, Russia.
October-November 2013:
Centre Interfacultaire Bernoulli, EPFL, Lausanne, Switzerland.
June-July 2012:
Institute of Mathematics, University of Aberdeen, UK.
April 2011:
Institute for Advanced Study, Princeton, USA.
September 2010, November 2008, July 2008, February 2007:
University of Manchester, U.K.
February 2006:
Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea.
July 2005:
Australian National University, Canberra, Australia.
January 2005:
University of Manchester, U.K., London Mathematical Society grant for young Russian mathematicians.
July 2004:
UMIST, U.K., Royal Society Visiting Fellowship.
August 2003-February 2004:
University of Manchester, U.K., EPSRC Visiting Fellowship.
January-February 2003:
Universitat Autonoma de Barcelona, Spain.
September 2002:
Isaac Newton Institute for Mathematical Sciences, Cambridge, U.K.

Conference talks:

29 July-2 August
Workshop on Polyhedral Products, Fields Institute for Research in Mathematical Sciences, Toronto, Canada; talk ``Polyhedral products, graph products and p-central series'' pdf-slides
video
24-26 July 2024
Graduate School in Toric Topology, Fields Institute for Research in Mathematical Sciences, Toronto, Canada; two lectures "Toric varieties as algebraic quotients. Exponential actions.
Gale duality. Moment-angle manifolds" video and "Holomorphic torus fibre bundles over toric varieties: generalised Calabi-Eckmann fibrations. Complex-analytics structures on moment-angle manifolds. Holomorphic foliated moment-angle manifolds as irrational deformations of toric varieties" video
18-19 July 2024
International School Algebraic Topology and Applications to Data Analysis, HSE University, Moscow, Russia; two lectures ``Double Homology of Moment-Angle Complexes and
Bigraded Persistence Modules'' pdf-slides (in Russian)
15-17 July 2024
International Conference Algebraic Topology and Applications, HSE University, Moscow, Russia; talk ``Holomorphic foliations on complex manifolds with torus action'' pdf-slides (in
Russian)
5-9 December 2023
Conference Algebraic Topology, Hyperbolic Geometry, and Computer Data Analysis, Tomsk University, Tomsk, Russia; talk ``Double homology of moment-angle complexes and
bigraded persistence modules'' pdf-slides (in Russian)
6-10 November 2023
Sino-Russian Interdisciplinary Mathematical Conference, Peking University, Beijing, China; invited talk ``SU-bordism: geometric representatives, operations, multiplications and
projections'' pdf-slides
10-14 July 2023
Conference Algebraic groups: the White Nights season III, EIMI, St Petersburg, Russia; invited talk ``Basic cohomology of canonical holomorphic foliations on complex manifolds
with torus action'' pdf-slides
28 January-2 February 2023
X School-Conference Lie algebras, algebraic groups, and invariant theory, HSE and Steklov Institute, Moscow, Russia; three lectures ``Foliations from vector configurations, Gale
duality, and moment-angle manifolds'' video
3-9 October 2022

International School Toric topology, combinatorics and data analysis, EIMI, St Petersburg, Russia; talk ``Double cohomology of moment-angle complexes'' pdf-slides (in Russian)
4-8 July 2022
Conference Algebraic groups: the White Nights season II, EIMI, St Petersburg, Russia; invited talk ``Equivariant cohomology of moment-angle complexes with respect to coordinate
subtori'' pdf-slides
26 June-3 July 2022
International Conference Geometry, Groups, Operator Algebras, and Integrability 2022, Moscow, Russia; invited talk ``Holomorphic foliations on complex moment-angle manifolds''
pdf-slides
26 June-2 July 2022
XXI Geometrical Seminar, Belgrade, Serbia; invited talk ``Holomorphic foliations on complex moment-angle manifolds'' (online) pdf-slides
22-26 June 2022
International Conference Advances in Algebra and Applications, Minsk, Belarus; invited talk ``Polyhedral products, loop homology, and right-angled Coxeter groups'' pdf-slides
1-5 November 2021
International School Toric Topology and Combinatorics, Sirius Mathematics Center, Sochi, Russia; two lectures ``Foliations arising from configurations of vectors, Gale duality, and
moment-angle manifolds'' pdf-slides
15-17 September 2021
International Workshop Advances in Homotopy Theory, University of Southampton, UK (virtual); invited talk ``Double cohomology of moment-angle complexes'' pdf-slides
20-25 July 2021
International Conference Primorie Mathematical Fair, Far Eastern Federal University, Vladivostok, Russia; invited talk ``SU-bordism: geometric representatives, operations, multiplications and projections'' pdf-slides video
12-16 July 2021
Mini-workshop Algebraic groups: the White Nights season, EIMI, PDMI, St Petersburg, Russia; invited talk ``Complex geometry of moment-angle manifolds'' pdf-slides (in Russian)
28 June-3 July 2021
8th International Youth Summer School-Conference on Geometric Methods of Mathematical Physics, Krasnovidovo, Moscow Region, Russia; mini-course (3 lectures) ``Complex
geometry of manifolds with torus actions'' pdf 3rd lecture (in Russian)
24-26 March 2021
International Conference Toric Topology 2021 in Osaka (online); talk ``SU-bordism: geometric representatives, operations, multiplications and projections'' pdf-slides
11-13 January 2021
kpa70 Conference celebrating the 70th birthday of Prof. Krzysztof Pawalowski (online); talk ``Holomorphic foliations on complex moment-angle manifolds'' pdf-slides

18-22 November 2020
International Conference Topology and Geometry of Group Actions (online), Faculty of Computer Science, HSE University, Moscow, Russia; plenary talk ``Polyhedral products, loop
homology, and right-angled Coxeter groups'' pdf-slides
25-29 May 2020
Workshop on Polyhedral Products in Geometric Group Theory, Fields Institute for Research in Mathematical Sciences, Toronto, Canada; talk ``Polyhedral products, loop homology,
and right-angled Coxeter groups'' pdf-slides video
13-17 January 2020
Winter Graduate School in Toric Topology, Fields Institute for Research in Mathematical Sciences, Toronto, Canada; Mini-course on the Topology of Toric Spaces and Moment-angle
Manifolds (joint with Anthony Bahri) video
10-15 December 2019
Conference December Readings in Tomsk-2019, Tomsk, Russia; plenary talk ``Polyhedral products, right-angled Coxeter groups, and hyperbolic manifolds'' pdf-slides (in Russian)
18-21 November 2019
International Conference Toric Topology 2019 in Okayama, Okayama, Japan; plenary talk ``Foliations arising from configurations of vectors, Gale duality, and moment-angle manifolds'' pdf-slides
31 October-2 November 2019
The 46th Symposium on Transformation Groups, Osaka, Japan; plenary talk ``Higher Whitehead products in moment-angle complexes'' pdf-slides
24-29 September 2019
International Conference Morse Theory and its Applications dedicated to the memory and 70th anniversary of Volodymyr Sharko, Kiev, Ukraine; plenary talk ``Right-angled polytopes,
hyperbolic manifolds and torus actions'' pdf-slides
19-23 August 2019
International Conference Topology, Geometry, and Dynamics: Rokhlin–100 dedicated to the 100th birthday anniversary of Vladimir Rokhlin, St. Petersburg, Russia; plenary talk ``A
geometric view on SU-bordism'' pdf-slides
30-31 July 2019
International Conference Algebra and Geometry, Jaroslavl, Russia; plenary talk ``Higher Whitehead products in moment-angle complexes'' pdf-slides
24-29 July 2019
Yaroslavl Summer Mathematical School "Algebra and Geometry 2019", Jaroslavl, Russia; invited lectures ``Complex geometry of manifolds with torus action''
13-14 May 2019
Bilateral MSU-SJTU Conference on Dynamics in Finite and Infinite Dimensional System, SJTU, Shanghai, China; invited talk ``Foliations arising from configurations of vectors, and

topology of nondegenerate leaf spaces" pdf-slides

7-11 May 2019

FDIS 2019 Finite Dimensional Integrable Systems in Geometry and Mathematical Physics, SJTU, Shanghai, China; plenary talk ``Holomorphic foliations on complex moment-angle
manifolds" pdf-slides

6-8 December 2018

The 45th Symposium on Transformation Groups, Kumamoto, Japan; plenary talk ``Basic cohomology of canonical holomorphic foliations on complex moment-angle manifolds" pdfslides

3-7 September 2018

IX International Conference of the Georgian Mathematical Union, Batumi and Tbilisi, Georgia; plenary talk ``Right-angled polytopes, hyperbolic manifolds and torus actions" pdfslides

27 August-1 September 2018

Siberian Summer School "Current Developments in Geometry", Novosibirsk, Russia; invited lectures ``Geometry and topology of toric varieties" Lecture 1 Lecture 2

2-6 July 2018

International Conference/School "Glances@Manifolds 2018", Krakow, Poland; series of invited lectures ``Cobordims and group actions on manifolds" Lecture 1 Lecture 2 Lecture 3
Lecture 4 Lecture 5

26 February-4 March 2018

International Conference "Dynamics in Siberia-2018", Novosibirsk, Russia; invited talk ``Foliations arising from configuration of vectors, and topology of nondegenerate leaf spaces"
pdf-slides

20-23 September 2017

International Conference "Geometry Days in Novosibirsk -- 2017", Novosibirsk, Russia; plenary talk ``Manifolds defined by right-angled 3-dimensional polytopes" pdf-slides

29 May-2 June 2017

Princeton-Rider Workshop on the Homotopy Theory of Polyhedral Products, Princeton University, Rider University, USA; invited talk ``Manifolds defined by right-angled 3-dimensional polytopes" pdf-slides

4-6 January 2017

Christmas Mathematical Meeting, Independent University of Moscow, Moscow, Russia; invited talk ``Polyhedral products, right-angled Coxeter groups, and hyperbolic manifolds"
pdf-slides

7-9 November 2016

Matsbornik-150: algebra, geometry, analysis, Moscow, Russia; plenary talk ``Polyhedral products, right-angled Coxeter groups and hyperbolic manifolds" pdf-slides (in Russian)

31 October-2 November 2016

International Conference on Mathematical Physics Kezenoi-am 2016, Grozny, Russia; plenary talk ``Toric topology and geometry" pdf-slides

26 September-1 October 2016

International Workshop "Analysis, Probability and Geometry", Moscow State University, Russia; invited talk ``Geometric structures on manifolds with torus action" pdf-slides
5-10 September 2016
XII Belarusian Mathematical Conference, Minsk, Belarus; invited talk ``Geometric structures on manifolds with torus action: symplectic and Lagrangian aspects" pdf-slides (in
Russian)
28 August-4 September 2016
International Conference XIX Geometrical Seminar, Zlatibor, Serbia; plenary talk ``Polyhedral products and commutator subgroups of right-angled Artin and Coxeter groups" pdfslides
19-24 June 2016
International Conference "Integrable Systems", CSF Ascona, Switzerland; plenary talk ``New constructions of Hamiltonian-minimal Lagrangian submanifolds" pdf-slides
19-22 April 2016
"Toric Topology 2016 in Kagoshima", Kagoshima, Japan; invited talk ``Polyhedral products and commutator subgroups of right-angled Artin and Coxeter groups" pdf-slides
11 April 2016
"Toric Topology Workshop 2016", Osaka, Japan; invited talk ``Loops on moment-angle complexes and polyhedral products: homotopy decompositions and higher Whitehead brackets"
29 February-4 March 2016
International Conference "Dynamics in Siberia", Novosibirsk, Russia; plenary talk ``Geometric structures on moment-angle manifolds" pdf-slides
26-29 October 2015
International Chinese-Russian Conference "Torus Actions: Topology, Geometry and Number Theory", Beijing, China; plenary talk ``Cohomology of quotients of moment-angle
manifolds" pdf-slides
6-12 September 2015
International Conference "Toric Topology, Number Theory and Applications", Khabarovsk, Russia; plenary talk ``On toric generators in the unitary and special unitary bordism rings"
pdf-slides
24-28 August 2015
International Conference Combinatorial and Toric Homotopy, on the occasion of Professor Frederick Cohen's 70th Birthday, National University of Singapore; invited talk ``On the
cohomology of partial quotients of moment-angle manifolds" pdf-slides
16-19 June 2015
International Meeting Toric Topology 2015 in Osaka, Osaka, Japan; talk ``On toric generators in the unitary and special unitary bordism rings"
18-21 March 2015

Geometry and Topology, A conference in honor of Martin Bendersky's seventieth birthday and in commemoration of Sam Gitler, Princeton University, USA; plenary talk ``On toric

generators in the unitary and special unitary bordism rings" pdf-slides
15-19 December 2014
Group Action Forum, Tsinghua Sanya International Mathematics Forum, China; plenary talk ``Complex geometry of moment-angle manifolds" pdf-slides
13-15 November 2014
The 41th Symposium on Transformation Groups, Gamagori, Japan; plenary talk ``On the rational formality of toric spaces and polyhedral products" pdf-slides
24-27 September 2014
International Conference "Geometry Days in Novosibirsk, 2014", dedicated to 85th anniversary of academician Yuri Grigorievich Reshetnyak, Novosibirsk, Russia; plenary talk ``Bott

towers and equivariant cobordism" pdf-slides
27 January-1 February 2014
Conference and School "Lie algebras, algebraic groups, and invariant theory", Moscow, Russia; invited talk ``Complex geometry of moment-angle manifolds" pdf-slides
21-24 January 2014
International meeting "Toric Topology 2014 in Osaka", Osaka, Japan; talk ``Bott towers and equivariant cobordism"
4-7 December 2013
International Conference "Geometry and Analysis on Metric Structures", Novosibirsk, Russia; plenary talk ``Intersections of quadrics and Hamiltonian-minimal Lagrangian submanifolds" pdf-slides
25-27 September 2013
Conference to celebrate Samuel Gitler's 80-th birthday, El Colegio Nacional, Mexico City, Mexico; plenary talk ``Complex geometry of moment-angle manifolds" pdf-slides
2-7 September 2013
Open Chinese-Russian Conference "Torus Actions: Topology, Geometry, Number Theory", Khabarovsk, Russia; plenary talk ``Homotopy theory of moment-angle complexes" pdfslides
28-31 August 2013
International Conference "Geometry Days in Novosibirsk, 2013", Novosibirsk, Russia; plenary talk ``Complex geometry and toric topology" pdf-slides
8-12 July 2013
International Conference on Algebraic and Geometric Topology, Chern Institute, Nankai University, Tianjin, China; plenary talk ``Complex geometry and toric topology" pdf-slides
1-6 July 2013
Workshop on Algebraic Topology, Capital Normal University, Beijing, China; colloquium talk ``Geometric structures on moment-angle manifolds" pdf-slides
8-11 January 2013
Christmas Mathematical Meeting of the "Dynasty" Foundation, Independent University of Moscow, Moscow, Russia; invited talk ``Homotopy type of moment-angle complexes" pdfslides

(in Russian)
17-21 December 2012
International Conference "Analysis and Singularities" dedicated to the 75th anniversary of V.I.Arnold, Moscow, Russia; plenary talk ``Intersections of quadrics and Hamiltonianminimal
Lagrangian submanifolds" pdf-slides
23-25 November 2012
The 39th Symposium on Transformation Groups, Tokyo, Japan; plenary talk ``Homotopy type of moment-angle complexes" pdf-slides
16-19 November 2012
International meeting Toric Topology 2012 in Osaka, Osaka, Japan; talk ``Moment-angle complexes corresponding to chordal graphs"
3-8 September 2012
International Conference XVII Geometrical Seminar, Zlatibor, Serbia; plenary talk ``Intersections of quadrics and H-minimal Lagrangian submanifolds" pdf-slides
14-16 March 2012
Conference in Discrete and Computational Geometry, Delone Laboratory, Jaroslavl, Russia; talk ``Toric Topology" pdf-slides
27 February-2 March 2012
Russian-German conference on Several Complex Variables, Moscow, Russia; invited talk ``Non-Kaehler complex structures on moment-angle manifolds and other toric spaces" pdfslides
8-10 January 2012
Christmas Mathematical Meeting of the "Dynasty" Foundation; dedicated to the XX anniversary of the Independent University of Moscow, Moscow, Russia; talk ``Intersections of
quadrics and H-minimal Lagrangian submanifolds"
1-9 December 2011
10th Pacific Rim Geometry Conference, Osaka and Fukuoka, Japan; plenary talk ``Intersections of quadrics and H-minimal Lagrangian submanifolds" pdf-slides
5-10 September 2011
International Conference "Toric Topology and Automorphis Functions", Khabarovsk, Russia; plenary talk ``Geometric structures on moment-angle manifolds" pdf-slides
1-4 September 2011
International Conference "Geometry Days in Novosibirsk", Novosibirsk, Russia; invited talk ``Intersections of quadrics, moment-angle manifolds, and Hamiltonian minimal Lagrangian embeddings"
18-20 July 2011
International Conference "Toric Methods in Homotopy Theory and Related Subjects", Queen's University Belfast, UK; plenary talk ``Homotopy colimits and loops on toric spaces"
14 July 2011
80th meeting of the Transpennine Topology Triangle, Manchester, UK; Plenary talk ``Geometric structures on moment-angle manifolds" pdf-slides
31 January-5 February 2011

Conference and School "Lie algebras, algebraic groups, and invariant theory", Moscow, Russia; invited talk ``Complex structures on moment-angle manifolds"
1-4 December 2010

Workshop ``Toric geometry, toric topology and combinatorics", Osaka City University, Osaka, Japan; invited lectures ``Moment-angle manifolds, intersections of quadrics and Lagrangian embeddings" and ``Moment-angle manifolds from simplicial posets"
23-25 November 2010

Symposium on Transformation Groups, Fukuoka, Japan; invited talk "Complex-analytic structures on moment-angle manifolds" pdf-slides
7-12 November 2010

International meeting ``Topological methods in toric geometry, symplectic geometry and combinatorics", Banff International Research Station, Canada; plenary talk ``Complexanalytic
structures on moment-angle manifolds" pdf-slides
7-10 October 2010

Congress of Mathematicians and Physicists of Montenegro, Petrovac, Montenegro; invited talk ``Complex geometry and toric topology" pdf-slides
22-26 February 2010

Toric Topology Workshop, Korea Advanced Institute of Science and Technology, Daejeon, South Korea; Series of 4 invited lectures ``Moment-angle manifolds in toric topology"
15-18 December 2009

Conference ``Information Technologies and Systems", Institute for Information Transmission Problems, Russian Academy of Science; 1 hour invited talk ``Toric topology" pdf-slides
10-12 December 2009

Conference on Transformation Groups, Osaka, Japan; 1 hour invited talk ``The universal toric genus" pdf-slides
7-11 September 2009

Bratislava Topology Symposium "Group Actions and Homogeneous Spaces", Bratislava, Slovakia; plenary talk ``Torus actions and complex cobordism" pdf-slides
15-20 July 2009

Dobrushin International Conference, IITP, Moscow, Russia; plenary talk ``Toric topology" pdf-slides
6-11 July 2009

International Conference on Algebraic Topology CAT'09, Warszawa, Poland; plenary talk "From real quadrics to polytopes via manifolds" pdf-slides
25-30 June 2009

XXXIV Far Eastern Mathematical School and Seminar ``Fundamental problems of Mathematics and Information sciences", Khabarovsk, Russia; 30-min invited talk "Moment-angle
manifolds in toric topology" pdf-slides
12-13 January 2009

Conference ``Young Mathematics of Russia", Moscow, Russia; 30 min invited talk ``Moment-angle manifolds in toric topology" pdf-slides
4-10 January 2009

International meeting "Toric Geometry", Oberwolfach, Germany; 50 min invited talk "Toric Kempf-Ness sets" pdf-slides
7-11 July 2008
International Conference ``New Horizons in Toric Topology", Manchester, U.K.; 1 hour plenary talk ``Moment-angle manifolds: recent developments and perspectives" pdf-slides
3 June 2008
Conference ``Novikov Day" dedicated to the 70th Anniversary of the of Sergei P. Novikov, Steklov Institute, Moscow, Russia; 30 min talk ``Torus actions and complex cobordism" pdfslides
17-22 December 2007
International Conference ``Transformation Groups" dedicated to the 70th Anniversary of the of Ernest B. Vinberg, Moscow, Russia; 30 min talk ``Algebraic torus actions, Kempf-Ness
sets and real quadrics in Cm" pdf-slides
17-23 September 2007
Russian Conference ``Mathematics in the Modern World" dedicated to the 50th Anniversary of the Sobolev Institute of Mathematics, Novosibirsk, Russia; 20 min talk ``Torus actions
and complex cobordisms" pdf-slides
17-27 July 2007
Osaka City University Summer School on Symplectic Geometry and Toric Topology; series of lectures ``Toric topology and complex cobordism" pdf
22-26 May 2006
RIMS Conference "Methods of Transformation Group Theory", Kyoto, Japan; 1 hour invited talk ``Topology of Kempf-Ness sets for algebraic torus actions" pdf-slides
28-30 November 2005
Workshop on K-Theory and Its Applications, Okayama, Japan; 1 hour invited talk "K-theory and cobordisms of toric manifolds"
24-26 November 2005
Symposium on Transformation Groups, Osaka, Japan; 50 min invited talk "Spaces of polytopes, and cobordisms of toric manifolds" pdf-slides
11-21 July 2005
Categories in Algebra, Geometry and Mathematical Physics, Conference in honour of Ross Street's sixtieth birthday, Sydney and Canberra, Australia; 40 min invited talk "Model
categories and homotopy colimits in toric topology" pdf-slides
26 June-2 July 2005
International Conference Contemporary Geometry and Related Topics, Belgrade, Serbia and Montenegro; 30 min talk "Spaces of polytopes and cobordisms of toric manifolds" pdfslides
3-9 April 2005
International conference on Selected Problems of Modern Mathematics Dedicated to the 200th anniversary of K.G.Jacobi, Kaliningrad, Russia; 15 min talk pdf-slides
14-19 February 2005

International conference "Topology, analysis and applications to mathematical physics" dedicated to the memory of Yu. P. Solovyov, Moscow, Russia; 30 min talk.
26 September-3 October 2004:
The XI Congress of Mathematicians of Serbia and Montenegro, Petrovac na Moru, Crna Gora, 30 min invited talk "Toric topology" pdf-slides.
17-19 November 2004
Symposium on Transformation Groups, Tokyo, Japan; 50 min invited talk "Toric topology" pdf-slides.
13-18 September 2004:
``Algebraic models of topological spaces and fibrations", international conference dedicated to the 90th anniversary of George Chogoshvili, Tbilisi, Georgia; 45 min invited talk ``Toric
topology".
3-6 July 2004:
``Geometry, Topology, and Combinatorics" a satellite conference of the 4th European Congress of Mathematics, Stockholm, Sweden; 30 min invited talk.
18-24 April 2004:
International meeting ``Cohomological Aspects of Hamiltonian Group Actions and Toric Varieties", Oberwolfach, Germany; 1 hour invited talk ``Rational aspects of toric topology"
pdf-slides.
8-10 September 2003:
18th British Topology Meeting, Manchester, U.K.; 1 hour invited talk ``The cohomology of torus manifolds".
26-28 November 2002:
Workshop on Transformation Groups, Tokyo, Japan; 1 hour invited talk ``Topology and combinatorics of torus actions".
1-6 July 2002:
Algebraic Topology conference, Barcelona, Spain; poster.
27-31 May 2002:
Modern Homotopy Theory conference, Lille, France; 40-min talk ``Homotopy and homology of certain loop spaces" pdf-slides.
3-7 September 2001:
Algebraic Topology Conference, Nantes, France; 40-min plenary talk ``Combinatorics, topology and homotopy theory of toric spaces".
11 July 2001:
30th Transpennine Topology Triangle Meeting, Sheffield, U.K.; 1 hour invited talk ``Combinatorics, topology and homotopy theory of toric spaces".
24-30 June 2001:
International Conference on Algebraic Topology, Isle of Skye, Scotland, U.K.; 30-min talk ``Combinatorial aspects of torus actions".
4-8 June 2001:
International conference on Algebraic Topology, Gdansk, Poland; 45-min talk ``Cobordism invariants of manifolds with torus actions".
7-9 April 2001:

16th British Topology Meeting, Edinburgh, U.K.; 40-min talk ``Combinatorial aspects of torus actions''.

10-14 July 2000:
3rd European Congress of Mathematicians, Barcelona, Spain; poster ``Torus actions, simple polytopes and coordinate subspace arrangements''.

4-7 July 2000:
International conference ``1-st Euro-Mediterranean Topology Meeting'', Barcelona, Spain; poster "Torus actions, simple polytopes and coordinate subspace arrangements".

27 February-4 March 2000:
International meeting ``Lattices, Polytopes and Tilings'', Oberwolfach, Germany; 1-hour talk ``Torus actions, simple polytopes and coordinate subspace arrangements''.

9-15 October 1999:
International conference ``Modern topological methods and their applications'', Tbilisi, Georgia; 45-min invited talk ``On Hirzebruch genera of manifolds with torus actions''.

19-25 August 1999:
International conference ``Topology and Dynamics: Rokhlin Memorial'', Vladimir A. Rokhlin's 80th Anniversary, St. Petersburg, Russia; 25-min talk ``Algebraic topology of torus
actions on manifolds defined by simple polytopes''.

3-8 September 1998:
International conference ``Algebraic topology meeting'1998'', Angers, France (satellite of the ICM'98, Berlin); poster.

30 August-6 September 1998:
International conference dedicated to the 90th Anniversary of L.S.Pontrjagin, Moscow, Russia (satellite of the ICM'98, Berlin); 35-min. talk ``Torus actions and the Eilenberg-Moore
spectral sequences'' and a paper published in the Proceedings volume.

9-15 August 1998:
International conference ``Geometry and Topology'98'', Aarhus, Denmark (satellite of the ICM'98, Berlin); a paper is published in the Proceedings volume (AMS Contemporary
Mathematics series).

Member of organising and programme committees:
Workshop on Toric Topology (Fields Institute for Research in Mathematical Sciences, Toronto, Canada, 19-23 August 2024)
Focus Program on Toric Topology, Geometry and Polyhedral Products (Fields Institute for Research in Mathematical Sciences, Toronto, Canada, 22 July-23 August 2024)
International School ``Toric Topology and Applications'' (Sirius Mathematics Center, Sochi, Russia, 23-28 October 2023)
International Conference ``Algebraic Topology, Combinatorics, and Mathematical Physics'' (Sirius Mathematics Center, Sochi, Russia, 16-20 October 2023)
Conference ``Geometry, Topology and Mathematical Physics'' on the occasion of the 85th anniversary of S.P. Novikov and the 80th anniversary of V.M. Buchstaber (Steklov Mathematical Institute, Moscow, 10-12 April 2023);

International School ``Toric Topology, Combinatorics and Data Analysis'' (Euler International Mathematical Institute, St Petersburg, Russia, 3-9 October 2022);
International Conference ``Algebraic Topology and Applications'' (Steklov Mathematical Institute, Moscow, 20-21 December 2021, online)
International School ``Toric Topology and Combinatorics'' (Sirius Mathematics Center, Sochi, Russia, 1-5 November 2021)
International Conference ``Topology of Torus Actions and Related Topics'' (Sirius Mathematics Center, Sochi, Russia, 25-29 October 2021)
International seminar for young researchers ``Algebraic, combinatorial and toric topology'' (Steklov Mathematical Institute, Moscow, 17-18 December 2020, online)
Workshop on Torus Actions in Topology (Fields Institute for Research in Mathematical Sciences, Toronto, Canada, 11-15 May 2020)
Thematic program on Toric Topology and Polyhedral Products (Fields Institute for Research in Mathematical Sciences, Toronto, Canada, January-June 2020)
Japanese-Russian Seminar on Toric Topology and Homotopy Theory (Moscow, 26-27 August 2019)
International Conference Topology, Geometry, and Dynamics: Rokhlin–100 dedicated to the 100th birthday anniversary of Vladimir Rokhlin (EIMI, St. Petersburg, Russia, 19-23
August 2019)
International Seminar on Toric Topology and Homotopy Theory (Steklov Institute, Moscow, Russia, 30 May-1 June 2018)
International Conference "Algebraic Topology, Combinatorics, and Mathematical Physics" on occasion of Victor Buchstaber's 75th birthday (Steklov Institute and SkolTech, Moscow,
Russia, 24-30 May 2018)
International Open Chinese-Russian Conference "Algebraic Topology, Geometry and Combinatorics of Manifolds" (Tsinghua Sanya International Mathematics Forum (TSIMF),
Sanya, China, 5-9 December 2017)
British-Russian Seminar on Toric Topology and Homotopy Theory (Moscow, 14-15 March, 4 April 2017)
International Chinese-Russian Conference "Torus Actions: Topology, Geometry and Number Theory" (Beijing, China, 26-29 October 2015)
International Conference "Toric Topology, Number Theory and Applications" (Khabarovsk, 6-12 September 2015)
"Toric Topology and Integrability", thematic semester of Mathematical Sciences Program, Skolkovo Institute of Science and Technology (1 October 2014-28 February 2015)
"Topology of Torus Actions and Applications to Geometry and Combinatorics", a satellite conference of ICM 2014, Seoul (Daejeon, South Korea, 7-11 August 2014)
Open Chinese-Russian Conference "Torus Actions: Topology, Geometry, Number Theory" (Khabarovsk, 2-7 September 2013)
International Conference "Algebraic Topology and Abelian Functions" in honour of Victor Buchstaber on the occasion of his 70th birthday (Moscow, 17-22 June 2012)

International Conference "Toric Topology and Automorphic Functions" (Khabarovsk, 5-10 September 2011)

International Conference "Geometry, Topology, Algebra and Number Theory, Applications" dedicated to the 120th anniversary of Boris Delone (Moscow, 16-20 August 2010)

International Conference "Differential Equations and Topology" dedicated to the Centennial Anniversary of L.S.Pontryagin (Moscow, June 2008).

International Conference on Toric Topology (Osaka, 29 May-3 June 2006).

"Geometric Topology, Discrete Geometry and Set Theory", L.V.Keldysh Centenary conference (Moscow, August 2004).

"Solitons, Geometry and Topology: on the Crossroads" in honour of Sergey Novikov (Moscow, May 1998)

Selected seminar talks:

15 November 2023

Institute of Mathematics, Academy of Mathematics and System Sciences, CAS, Beijing, talk ``Complex geometry of moment-angle manifolds" pdf-slides

13 November 2023

Beijing Institute for Mathematical Sciences and Topology (BIMSA), talk ``Double cohomology of moment-angle complexes and bigraded persistence barcodes" pdf-slides

21 October 2022

Sino-Russian Mathematics Center - JLU Colloquium, online talk ``SU-bordism: geometric representatives, operations, multiplications and projections" pdf-slides

26 April 2021

Skoltech Center for Advanced Studies Seminar, online talk ``Complex geometry of manifolds with torus action" pdf-slides

15 March 2021

Southampton Topology Seminar, University of Southampton, UK, online talk ``Foliations arising from configuration of vectors, Gale duality, and moment-angle manifolds" pdf-slides

20 November 2020

Beijing-Moscow Mathematics Colloquium, online talk ``Right-angled polytopes, hyperbolic manifolds and torus actions" pdf-slides

16 September 2020

Algebraic Topology Seminar, Princeton University, USA, online talk ``A geometric view on SU-bordism" pdf-slides

5 March 2020

Mathematics Department Colloquium, Ohio State University, USA, talk ``Right-angled polytopes, hyperbolic manifolds and torus actions" pdf-slides

Moscow State University, Steklov Institute of Mathematics, Higher School of Economics, Independent University of Moscow, Institute for Theoretical and Exprerimental Physics, Institute
for Information Transmission Problems (Moscow), St. Petersburg State University, Steklov Institute of Mathematics (St. Petersburg), Sobolev Mathematical Institute (Novosibirsk),

Chelyabinsk State University (Chelyabinsk), Fudan University, Nankai University, Zhejiang University, Capital Normal University, Xi'an Jiaotong-Liverpool University (China), Universitaet
Osnabrueck (Germany), Universities of Kyoto, Okayama, Osaka, Osaka City (Japan), Universitat Autonoma de Barcelona (Spain), Universities of Aberdeen, Bristol, Edinburgh, Leicester,
Loughborough, Manchester, Sheffield, Southampton, Swansea (U.K.), Ohio State University, Princeton University, Rice University (USA).

Member of the Editorial Board:
European Journal of Mathematics, Far Eastern Mathematical Journal, Moscow Mathematical Journal, The Manifold Atlas Project

Refereeing:
Acta Mathematica, Advances in Mathematics, Algebraic and Geometric Topology, Annales de L'Institut Fourier, Central European Journal of Mathematics, Contemporary Mathematics,
Discrete and Computation Geometry, Far Eastern Mathematical Journal, Forum Mathematicum, Functional Analysis and Applications, Izvestiya: Mathematics, Journal of Algebraic
Combinatorics, Journal of Topology, Mathematical Notes, Mathematical Research Letters, Mathematische Zeitschrift, Moscow Mathematical Journal, Osaka Journal of Mathematics,
Proceedings of the Edinburgh Mathematical Society Proceedings of the London Mathematical Society, Proceedings of the Steklov Institute of Mathematics, Progress in Mathematics, Russian
Mathematical Surveys, Siberian Mathematical Journal, Sbornik Mathematics, Tbilisi Mathematical Journal, Topology and its Applications, Transformation Groups, etc.

Publications
Text version (pdf)

Monographs:
1. Victor M. Buchstaber and Taras E. Panov. *Torus Actions and Their Applications in Topology and Combinatorics*. University Lectures Series, vol.24, American Mathematical Society,
Providence, RI, 2002, 152 pages. Download: pdf (pre-publication version).
2. Victor M. Buchstaber and Taras E. Panov. *Torus Actions in Topology and Combinatorics* (in Russian). MCCME, Moscow, 2004, 272 pages.
3. Victor M. Buchstaber and Taras E. Panov. *Toric Topology*. Mathematical Surveys and Monographs, vol.204, American Mathematical Society, Providence, RI, 2015, 518 pages.
download pdf (pre-publication version).

Papers in refereed journals and proceedings:
1. T.E.Panov. *On the structure of a Hopf cohomology 2-algebra of four-dimensional manifolds* (in Russian), Uspekhi Mat. Nauk 51 (1996), no.1 (307), 161-162; English translation in:
Russian Math. Surveys 51 (1996), no. 1, 155-157. Download: ps (Russian).

2. T.E.Panov. *Elliptic genus for manifolds with an action of the group Z/p* (in Russian), Uspekhi Mat. Nauk 52 (1997), no.2 (314), 181-182; English translation in: Russian Math. Surveys
52 (1997), no.2, 418-419. Download: ps (Russian).

3. T.E.Panov. *Classification up to cobordism of manifolds that carry a simple action of the group Z/p* (in Russian), Mat. Zametki 63 (1998), no. 2, 260-268; English translation in: Math.
Notes 63 (1998), no. 1-2, 225-232; arXiv:math.AT/9908166. Download: ps (Russian); pdf (English).

4. T.E.Panov. *Calculation of Hirzebruch genera for manifolds acted on by the group Z/p via invariants of the action* (in Russian), Izv. Ross. Akad. Nauk Ser. Mat. 62 (1998), no.3, 87-
120; English translation in: Izvestiya: Mathematics 62 (1998), no.3, 515-548; arXiv:math.AT/9909081. Download: ps (Russian); pdf (English).

5. V.M.Bukhshtaber and T.E.Panov. *Algebraic topology of manifolds defined by simple polytopes* (in Russian), Uspekhi Mat. Nauk 53 (1998), no.3, 195-196; English translation in:
Russian Math. Surveys 53 (1998), no.3, 623-625. Download: ps (Russian).

6. V.M.Buchstaber and T.E.Panov. *Torus actions and combinatorics of polytopes* (in Russian), Trudy Matematicheskogo Instituta imeni V.A.Steklova, vol. 225, 1999, pp.96-131; English
translation in: Proceedings of the Steklov Institute of Mathematics, vol. 225, 1999, pp.87-120; arXiv:math.AT/9909166. Download: pdf (Russian); pdf (English).

7. T.E.Panov. *Combinatorial formulae for the xy-genus of a polyoriented quasitoric manifold* (in Russian), Uspekhi Mat. Nauk 54 (1999), no.5, 169-170; English translation in: Russian
Math. Surveys 54 (1999), no.5, 1037-1039. Download: ps (Russian); pdf (English).

8. V.M.Buchstaber and T.E.Panov. *Torus actions, equivariant moment-angle complexes and coordinate subspace arrangements* (in Russian), in: Representation theory, dynamical
systems, combinatorical and algorithmic methods, Part 5, A.M.Vershik, editor, Zap. Nauchn. Semin. POMI 266, 2000, pp. 29-50; English translation in: Journal of Math. Sciences 113
(2003), no. 4, 558-568; arXiv:math.AT/9912199. Download: pdf (Russian); pdf (English)

9. V.M.Buchstaber and T.E.Panov. *Torus actions determined by simple polytopes*, in: ``Geometry and Topology: Aarhus" (K.Grove, I.H.Madsen, and E.K.Pedersen, eds.), Contemporary
Mathematics, vol.258, American Mathematical Society, Providence, RI, 2000, pp. 33-46. Download: pdf.

10. V.M.Buchstaber and T.E.Panov. *Moment-angle complexes and combinatorics of simplicial manifolds* (in Russian), Uspekhi Mat. Nauk 55 (2000), no.3, 171-172; English translation in:
Russian Math. Surveys 55 (2000), no.3, 576-579. Download: ps (Russian); pdf (English).

11. V.M.Buchstaber and T.E.Panov. *Torus actions, combinatorial topology and homology algebra* (in Russian), Uspekhi Mat. Nauk 55 (2000), no.5, 3-106; English translation in: Russian
Math. Surveys 55 (2000), no.5, 825-921; arXiv:math.AT/0010073. Download: ps (Russian); pdf (English).

12. T.E.Panov. *On the cobordism classification of manifolds with Z/p-action whose fixed point set has trivial normal bundle* (in Russian) Proceedings of the International conference
dedicated to the 90-th Anniversary of L.S.Pontryagin (Moscow, 31 August - 6 September 1998). Vol.7: ``Geometry and topology'', S.M.Aseev and S.A.Vakhrameev, eds. VINITI,
Moscow, 2000, pp.114-128; English translation in: Pontryagin Conference, 8, Topology (Moscow, 1998); Journal of Math. Sciences 105 (2001), no.2, 1876-1883. Download: pdf
(English).

13. T.E.Panov. *Hirzebruch genera of manifolds with torus actions* (in Russian), Izv. Ross. Akad. Nauk Ser. Mat. 65 (2001), no. 3, 123-138; English translation in: Izvestiya: Mathematics
65 (2001), no.3, 543-556; arXiv:math.AT/9910083. Download: ps (Russian); pdf (English).

14. Taras Panov, Nigel Ray and Rainer Vogt. *Colimits, Stanley-Reiner algebras, and loop spaces*, in: "Categorical Decomposition Techniques in Algebraic Topology" (G.Arone et al eds.),
Progress in Mathematics, vol.215, Birkhauser, Basel, 2004, pp.261-291; arXiv:math.AT/0202081. Download: pdf.

15. I.V.Baskakov, V.M.Buchstaber and T.E.Panov. *Cellular cochain algebras and torus actions* (in Russian), Uspekhi Mat. Nauk 59 (2004), no.3, 159-160; English translation in: Russian
Math. Surveys 59 (2004), no.3, 562-563; arXiv:math.AT/0407189. Download: pdf (Russian); pdf (English).

16. V.M.Buchstaber and T.E.Panov. *Combinatorics of simplicial cell complexes, and torus actions* (in Russian), Trudy Matematicheskogo Instituta imeni V.A.Steklova, vol. 247, 2004,
pp.41-58; English translation in: Proceedings of the Steklov Institute of Mathematics, vol. 247, 2004, pp.33-49; Download: pdf (Russian), pdf (English).

17. Mikiya Masuda and Taras Panov. *On the cohomology of torus manifolds*, Osaka J. Math. 43 (2006), 711-746; arXiv:math.AT/0306100.

18. Hiroshi Maeda, Mikiya Masuda and Taras Panov. *Torus graphs and simplicial posets*. Advances in Math. 212 (2007), no.2, 458-483; arXiv:math.AT/0511582.

19. Taras E. Panov. *Topology of Kempf--Ness sets for algebraic torus actions*, in ``Proceedings of the Conference `Contemporary Geometry and Related Topics' (Belgrade, 2005)'',
N.Bokan *et al*, editors, University of Belgrade, 2007.

20. Victor Buchstaber, Taras Panov and Nigel Ray. *Spaces of polytopes and cobordism of quasitoric manifolds*. Moscow Math. J. 7 (2007), no.2, 219-242; arXiv:math.AT/0609346.

21. Taras Panov. *Cohomology of face rings, and torus actions*. London Math. Soc. Lecture Notes, vol.347, Surveys in Contemporary Mathematics, Cambridge, 2008, pp.165-201;
arXiv:math.AT/0506526.

22. Mikiya Masuda and Taras Panov. *Semifree circle actions, Bott towers, and quasitoric manifolds* (in Russian). Mat. Sbornik 199 (2008), no.8, 95--122. English translation in Sbornik
Math. 199 (2008), no.7-8, 1201-1223; arXiv:math.AT/0607094.

23. Taras Panov and Nigel Ray. *Categorical aspects of toric topology*. In ``Toric Topology'' (M.Harada et al, eds.). Contemp. Math., vol.460, American Mathematical Society, Providence,
RI, 2008, pp.293-322; arXiv:0707.0300.

24. T.E.Panov. *Toric Kempf-Ness sets* (Russian). Trudy Matematicheskogo Instituta imeni V.A.Steklova, vol.263, 2008, pp.159-172; Proceedings of the Steklov Institute of Mathematics,
vol.263, 2008, pp.150-162 (English translation); Download: pdf (Russian);
arXiv:math.AG/0603556.

25. Suyoung Choi, Taras Panov and Dong Youp Suh. *Toric cohomological rigidity of simple convex polytopes*. Journal of the London Math. Society, II Ser. 82 (2010), no.2, 343-360;
arXiv:0807.4800.

26. Victor M. Buchstaber, Taras E. Panov and Nigel Ray. *Toric genera*. Internat. Math. Research Notices 16 (2010), 3207-3262; arXiv:0908.3298.

27. Zhi Lu and Taras Panov. *Moment-angle complexes from simplicial posets*. Cent. Eur. J. Math. 9 (2011), no.4, 715-730; arXiv:0912.2219.

28. Taras Panov and Yuri Ustinovsky. *Complex-analytic structures on moment-angle manifolds*. Moscow Math. J. 12 (2012), no.1, 149-172; arXiv:1008.4764.

29. Andrey Mironov and Taras Panov. *Intersections of quadrics, moment-angle manifolds, and Hamiltonian-minimal Lagrangian embeddings*. Funktsional. Anal. i Prilozhen. 47 (2013),
no.1, 47-61 (Russian); Funct. Anal. Appl. 47 (2013), no.1, 38-49 (English translation); Download: pdf (Russian); arXiv:1103.4970.

30. Andrey Mironov and Taras Panov. *Hamiltonian minimal Lagrangian submanifolds in toric varieties*. Uspekhi Mat. Nauk 68 (2013), no.2, 203-204 (Russian); Russian Math. Surveys
68 (2013), no.2, 392-394 (English translation); Download: pdf (Russian); arXiv:1301.2679.

31. Taras Panov. *Geometric structures on moment-angle manifolds*. Uspekhi Mat. Nauk 68 (2013), no.3, 111-186 (Russian); Russian Math. Surveys 68 (2013), no.3, 503-568 (English
translation); Download: pdf (Russian) arXiv:1302.2463.

32. Taras Panov. *On the cohomology of quotients of moment-angle complexes*. Uspekhi Mat. Nauk 70 (2015), no.4, 209-210 (Russian); Russian Math. Surveys 70 (2015), no.4, 779-781
(English translation); pdf (Russian); arXiv:1506.06875.

33. Jelena Grbic, Taras Panov, Stephen Theriault and Jie Wu. *The homotopy types of moment-angle complexes for flag complexes*. Trans. of the Amer. Math. Soc. 368 (2016), no. 9, 6663-
6682; arXiv:1211.0873.

34. Taras Panov, Yuri Ustinovsky and Misha Verbitsky *Complex geometry of moment-angle manifolds*. Math. Zeitschrift 284 (2016), no. 1, 309-333; arXiv:1308.2818.

35. Zhi Lu and Taras Panov. *On toric generators in the unitary and special unitary bordism rings*. Algebraic & Geometric Topology 16 (2016), no. 5, 2865-2893; arXiv:1412.5084.

36. Taras Panov and Yakov Veryovkin. *Polyhedral products and commutator subgroups of right-angled Artin and Coxeter groups*. Mat. Sbornik 207 (2016), no. 11, 105-126 (Russian);
Sbornik Math. 207 (2016), no. 11, 1582-1600 (English); pdf (Russian); arXiv:1603.06902.

37. Victor Buchstaber and Taras Panov. *On manifolds defined by 4-colourings of simple 3-polytopes*. Uspekhi Mat. Nauk 71 (2016), no. 6, 157-158 (Russian); Russian Math. Surveys 71
(2016), no. 6, 1137-1139 (English translation); pdf (Russian); pdf (English); arXiv:1703.06801.

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