

**ДОКАЗ ДА ЈЕ РЕЗУЛТАТ ОБЈАВЉЕН У Nanoscale 9,  
19337 (2017.) ПРЕДСТАВЉЕН У ОНЛАЈН  
ЧАСОПИСУ ПОСВЕЋЕНОМ ЗАНИМЉИВИМ  
НАУЧНИМ ОТКРИЋИМА**

NEWS

# A new class of massless fermion

BY HANNAH KERR | 5 FEBRUARY 2020



Unique electronic structure characterises fortune-teller fermion

Experimental proof of a new class of massless fermion with anisotropic characteristics has been found for the first time by a team in Poland.<sup>1</sup> The discovery could help researchers design new graphene-like materials with previously unseen properties.

Fermions are a class of particle that include electrons, protons and neutrons. Most have mass but **massless fermions were found in 2015**. These are quasiparticles: electronic activity that behaves as if it were a particle in free space. Electrons in 2D materials behave like massless fermions. This behaviour has, until recently, always been associated with a feature in the electronic band structure called a Dirac cone where the valence and conduction bands take the shape of a conical surface meeting at a Dirac point. Massless Dirac fermions are isotropic and they can carry electric charge exceptionally fast because they are not slowed by backscattering. This is the basis for the extraordinary electronic properties of graphene and other 2D materials.

In 2017, scientists in Serbia predicted fortune-teller fermions, a completely new type of massless fermion, existed in 2D materials that meet specific symmetry criteria.<sup>2</sup> Now, researchers from Maria Curie-Skłodowska University in Poland have found physical evidence for this fermion. Angle-resolved photoelectron spectroscopy helped them to observe the band structure of a 2D silicon crystal surface. Instead of smooth Dirac cones, the conduction and valence bands form a set of intersecting planes with sharp edges, some resembling pyramids and some resembling origami fortune-tellers. The planes meet, not at a 0D Dirac point, but along a 1D Dirac line. Such a distinct electronic structure has never been observed in any known crystal, until now.

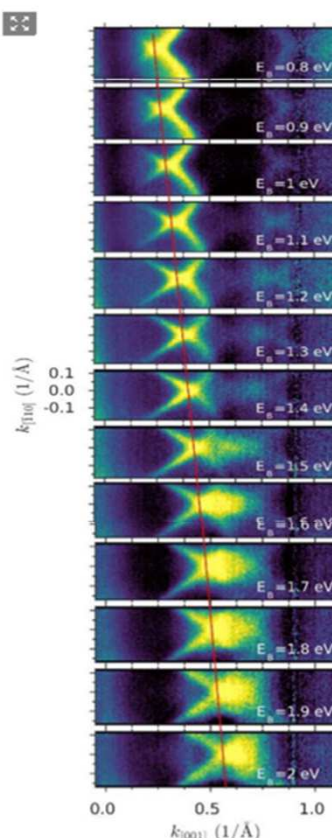
If new materials can be engineered to support these states on a larger scale then they might behave in ways never seen before.

## Reference

1. M Kopciuszynski et al, *Nanoscale Horiz.*, 2020, DOI: 10.1039/c9nh00681h
2. V Damjanović, I Popov and R Gajić, *Nanoscale*, 2017, 9, 19337 (DOI: 10.1039/c7nr07763g)



Hannah Kerr



Source: © Ryszard Zdyb/Maria Curie-Skłodowska University  
Constant energy photoemission maps of Bi2Se3(110) for different electron binding energies



## LATEST POPULAR

The next generation of nuclear reactors will produce even more radioactive waste

An idea that clicked

Carolyn Bertozzi: 'Shooting hoops is very meditative'

The bioorthogonal revolution

New family of hollow molecules separates troublesome hydrocarbon mixtures

Hope stirs anew for Australian research following election

Sign up to email newsletters  
Get the latest chemistry research, news and views in your inbox

- ☒ Reaction
- ☒ Daily
- ☒ Weekly
- ☒ Monthly

SIGN UP



Search > Results for Damljanovic V (... > Citation Report: Damljanov... > Citation Report: Damljanovic V (Author) and Damljanovic et al. (2005) (Exclu...

MENU

Citation Report

Q Damljanovic V (Author)

Analyze Results

Create Alert

Refined By: 

NOT Damljanovic, V et al. (2005)

NOT Damljanovic, V and Weaver, RL (2004)

NOT Damljanovic, V and Weaver, RL (2004)

NOT Damljanovic, V and Weaver, RL (2005)

NOT Damljanovic, V et al. (2004)

Clear all

Export Full Report

Publications

25

Total

From 1985 to 2025

Citing Articles

209

Analyze

Total

193

Analyze

Without self-citations

Times Cited

246

Total

201

Without self-citations

9.84

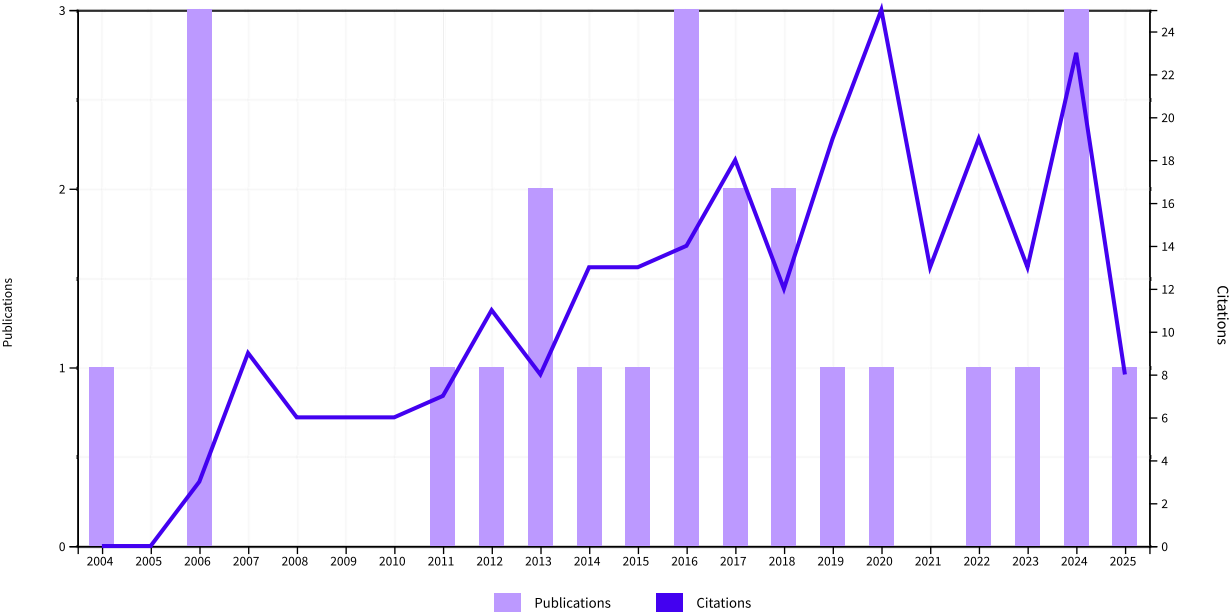
Average per item

8

H-Index

Times Cited and Publications Over Time

DOWNLOAD



25 Publications		Citations						
		< Previous year					Average per year	Total
		2021	2022	2023	2024	2025		
Total		13	19	13	23	8	12.3	246
1 Magnetoresistance effects in SrFeO <sub>3-δ</sub> : Dependence on phase composition and relation to magnetic and charge order		4	10	6	1	3	6.8	136
Adler, P.; Lebon, A.; (...); Keimer, B								

	Mar 2006   <a href="#">PHYSICAL REVIEW B</a> ▾ 73 (9)							
⊖ 2	<p>Existence of Dirac cones in the Brillouin zone of diperiodic atomic crystals according to group theory</p> <p><a href="#">Damljjanovic, V</a> and <a href="#">Gajic, R</a></p> <p>Mar 2 2016   <a href="#">JOURNAL OF PHYSICS-CONDENSED MATTER</a> ▾ 28 (8)</p>	2	1	1	2	1	1.4	14
⊖ 3	<p>Density functional theory study of phonons in graphene doped with Li, Ca and Ba</p> <p><a href="#">Pesic, J</a>; <a href="#">Damljjanovic, V</a>; (...); <a href="#">Belic, M</a></p> <p>Dec 2015   <a href="#">EPL</a> ▾ 112 (6)</p>	1	1	0	0	0	1.18	13
⊖ 4	<p>Fortune teller fermions in two-dimensional materials</p> <p><a href="#">Damljjanovic, V</a>; <a href="#">Popov, J</a> and <a href="#">Gajic, R</a></p> <p>Dec 28 2017   <a href="#">NANOSCALE</a> ▾ 9 (48) , pp.19337-19345</p>	2	2	1	3	0	1.11	10
⊖ 5	<p>Ab Initio Study of the Electronic, Vibrational, and Mechanical Properties of the Magnesium Diboride Monolayer</p> <p><a href="#">Pesic, J</a>; <a href="#">Popov, J</a>; (...); <a href="#">Gajic, R</a></p> <p>Jun 2019   <a href="#">CONDENSED MATTER</a> ▾ 4 (2)</p>	3	1	0	2	1	1.29	9
⊖ 6	<p>Growth and oxygen treatment of SrFeO<sub>3-y</sub> single crystals</p> <p><a href="#">Maljuk, A</a>; <a href="#">Lebon, A</a>; (...); <a href="#">Keimer, B</a></p> <p>Jun 1 2006   <a href="#">JOURNAL OF CRYSTAL GROWTH</a> ▾ 291 (2) , pp.412-415</p>	1	1	0	0	0	0.45	9
⊖ 7	<p>Existence of semi-Dirac cones and symmetry of two-dimensional materials</p> <p><a href="#">Damljjanovic, V</a> and <a href="#">Gajic, R</a></p> <p>May 10 2017   <a href="#">JOURNAL OF PHYSICS-CONDENSED MATTER</a> ▾ 29 (18)</p>	0	1	0	2	0	0.89	8
⊖ 8	<p>Addendum to 'Existence of Dirac cones in the Brillouin zone of diperiodic atomic crystals according to group theory'</p> <p><a href="#">Damljjanovic, V</a> and <a href="#">Gajic, R</a></p> <p>Nov 2 2016   <a href="#">JOURNAL OF PHYSICS-CONDENSED MATTER</a> ▾ 28 (43)</p>	0	1	1	1	1	0.8	8
⊖ 9	<p>Fully linear band crossings at high symmetry points in layers: classification and role of spin-orbit coupling and time reversal</p> <p><a href="#">Lazic, N</a>; <a href="#">Damljjanovic, V</a> and <a href="#">Dampjanovic, M</a></p> <p>Aug 12 2022   <a href="#">JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL</a> ▾ 55 (32)</p> <p> Enriched Cited References</p>	0	0	2	4	0	1.5	6



10	<p>Characters of graphene's symmetry group Dg80</p> <p><a href="#">Damljanovic, V</a>; <a href="#">Kostic, R</a> and <a href="#">Gajic, R</a> 4th International School and Conference on Photonics Sep 2014   <a href="#">PHYSICA SCRIPTA</a> ▼ T162</p>	0	0	1	1	0	0.42	5
11	<p>Phonon eigenvectors of graphene at high-symmetry points of the Brillouin zone</p> <p><a href="#">Damljanovic, V</a> and <a href="#">Gajic, R</a> 3rd International School and Conference on Photonics Apr 2012   <a href="#">PHYSICA SCRIPTA</a> ▼ T149</p>	0	0	0	0	0	0.36	5
12	<p>Peculiar symmetry-protected electronic dispersions in two-dimensional materials</p> <p><a href="#">Damljanovic, V</a>; <a href="#">Lazic, N</a>; (...) ; <a href="#">Damljanovic, M</a> Nov 18 2020   <a href="#">JOURNAL OF PHYSICS-CONDENSED MATTER</a> ▼ 32 (48)</p> <p>Enriched Cited References</p>	0	1	1	2	0	0.67	4
13	<p>Growth of RuSr<sub>2</sub>GdCu<sub>2</sub>O<sub>8</sub> films by post-annealing of pulsed laser deposited precursors</p> <p><a href="#">Matveev, AT</a>; <a href="#">Cristianj, G</a>; (...) ; <a href="#">Habermeier, HU</a> Dec 15 2004   <a href="#">PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS</a> ▼ 417 (1-2) , pp.50-57</p>	0	0	0	0	0	0.18	4
14	<p>Movable but unavoidable nodal lines through high-symmetry points in 2D materials</p> <p><a href="#">Damljanovic, V</a> Apr 4 2023   <a href="#">PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS</a> ▼ 2023 (4)</p> <p>Enriched Cited References</p>	0	0	0	2	1	1.5	3
15	<p>Electronic structures near unmovable nodal points and lines in two-dimensional materials</p> <p><a href="#">Damljanovic, V</a> and <a href="#">Lazic, N</a> May 26 2023   <a href="#">JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL</a> ▼ 56 (21)</p> <p>Enriched Cited References</p>	0	0	0	2	1	1	3
16	<p>M-POINT PHONON EIGENVECTORS OF GRAPHENE OBTAINED BY GROUP PROJECTORS</p> <p><a href="#">Damljanovic, V</a>; <a href="#">Kostic, R</a> and <a href="#">Gajic, R</a> 2013   <a href="#">ROMANIAN REPORTS IN PHYSICS</a> ▼ 65 (1) , pp.193-203</p>	0	0	0	0	0	0.23	3
17	<p>An example of diperiodic crystal structure with semi-Dirac electronic dispersion</p> <p><a href="#">Damljanovic, V</a></p>	0	0	0	1	0	0.25	2

	Jul 2018   OPTICAL AND QUANTUM ELECTRONICS ▾ 50 (7)						
18	<p>Structure and dynamics of <math>X_n</math>-type clusters (<math>n=3, 4, 6</math>) from spontaneous symmetry breaking theory</p> <p><a href="#">Damljjanovic, V</a> 3rd International Conference on the Physics of Optical Materials and Devices Nov 2013   PHYSICA SCRIPTA ▾ T157</p>	0	0	0	0	0	0.15 2
19	<p>Raman scattering study of <math>\text{Ru}(\text{Sr},\text{La})_2\text{GdCu}_2\text{O}_8</math></p> <p><a href="#">Damljjanovic, V</a>; <a href="#">Ulrich, C</a>; (...); <a href="#">Loidl, A</a> May 2006   PHYSICAL REVIEW B ▾ 73 (17)</p>	0	0	0	0	0	0.1 2
20	<p>Existence of Mexican-hat dispersion and symmetry group of a layer</p> <p><a href="#">Damljjanovic, V</a> May 2025   PHYSICA E-LOW-DIMENSIONAL SYSTEMS &amp; NANOSTRUCTURES ▾ 170</p> <div>Enriched Cited References</div>	0	0	0	0	0	0 0
21	<p>Non-magnetic layers with a single symmetry-protected Dirac cone: Which additional dispersions must appear?</p> <p><a href="#">Damljjanovic, V</a> Sep 2024   EPL ▾ 147 (5)</p>	0	0	0	0	0	0 0
22	<p>Centrosymmetric, non-symmorphic, non-magnetic, spin-orbit coupled layers without Dirac cones</p> <p><a href="#">Damljjanovic, V</a> Jun 27 2024   OPTICAL AND QUANTUM ELECTRONICS ▾ 56 (7)</p> <div>Enriched Cited References</div>	0	0	0	0	0	0 0
23	<p>Bifurcation in reflection spectra of holographic diffraction grating recorded on dichromated pullulan</p> <p><a href="#">Savic-Sevic, S</a>; <a href="#">Pantelic, D</a>; (...); <a href="#">Jelenkovic, B</a> Apr 2018   OPTICAL AND QUANTUM ELECTRONICS ▾ 50 (4)</p>	0	0	0	0	0	0 0
24	<p>Simple analytical relation between vibrational frequencies of linear <math>XY_2</math>-type molecules</p> <p><a href="#">Damljjanovic, V</a> May 2016   OPTICAL AND QUANTUM ELECTRONICS ▾ 48 (5)</p>	0	0	0	0	0	0 0
25	<p>On the Reflectivity of One-Dimensional Photonic Crystal Realized in Dichromated Pullulan</p> <p><a href="#">Damljjanovic, V</a>; <a href="#">Savic-Sevic, S</a>; (...); <a href="#">Jelenkovic, B</a> 12th International Conference on Transparent Optical Networks (ICTON)</p>	0	0	0	0	0	0 0

 **Clarivate**  
© 2025 Clarivate. All rights reserved.

- [Legal](#)  
[Center](#)  
[Privacy](#)  
[Statement](#)  
[Copyright](#)  
[Notice](#)
- [Training](#)  
[Portal](#)  
[Product](#)  
[Support](#)  
[Newsletter](#)
- [Cookie](#)  
[Policy](#)  
[Manage](#)  
[cookie](#)  
[preferences](#)  
[Data](#)  
[Correction](#)
- [Accessibility](#)  
[Help](#)  
[Terms of](#)  
[Use](#)

Follow Us



ATTORNEY AT LAW  
SWORN COURT INTERPRETER FOR  
ENGLISH LANGUAGE  
JASNA FILIPOVIC - BOJIC

Prevod sa engleskog na srpski jezik

## UNIVERZITET U ŠTUTGARTU

### SERTIFIKAT

Univerzitet u Štutgartu ovime dodeljuje

**VLADIMIRU DAMLJANOVIĆU**

rođenom 18. novembra 1971

u Beogradu, Jugoslavija

Akademsko zvanje

### MAGISTRA FIZIČKIH NAUKA

Pošto je položio ispit za sticanje zvanja Magistra nauka u skladu sa odredbama.

Zvaničan prepis ocena koji prikazuje pojedinačne rezultate  
i srednju ocenu je izdat kao poseban dokument.

U Štutgartu,  
1. februara 2003

(pečat: Univerzitet u Štutgartu)

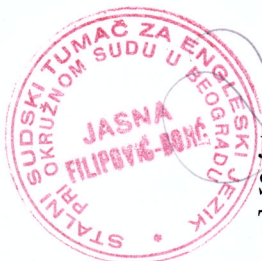
Prof. Dr. Ulrich Weis (svr.)  
Dekan Fakulteta za fiziku

Prof. Dr. Dieter Schweitzer (svr.)  
Predsedavajući ispitne komisije

---

Potvrđujem da je ovaj SERTIFIKAT tačno preveden sa engleskog na srpski jezik od strane stalnog sudskog tumača za engleski jezik pri Okružnom sudu u Beogradu.

Rešenje broj: 74-57/86-03  
Datum: 24. decembar 2003  
Br. 537/2003



JASNA FILIPOVIĆ-BOJIĆ  
Svetogorska 4, Beograd  
Telefon: 3239-053

Бр. 658/3

25. 3. 2004.

БЕОГРАД

Na osnovu člana 119. i 120. Zakona o univerzitetu ("Službeni glasnik Republike Srbije" br. 21/2002) Naučno-nastavno veće Fizičkog fakulteta Univerziteta u Beogradu, na svojoj sednici održanoj 24. marta 2004. godine, nostrifikovalo je magistarsku diplomu koju je VLADIMIR DAMLJANOVIĆ stekao na Študentskom univerzitetu, Nemačka, čime se priznaje ravnopravnost magistarskoj diplomi stečenoj na Fizičkom fakultetu Univerziteta u Beogradu, kao i sva prava koja takva diploma i zvanje MAGISTAR FIZIČKIH NAUKA daju.

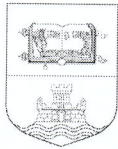
Beograd, 25.3.2004.

DEKAN FIZIČKOG FAKULTETA

Prof. dr Milan Knežević







## УНИВЕРЗИТЕТ У БЕОГРАДУ

Студентски трг 1, 11000 Београд, Република Србија  
Тел.: 011 3207400; Факс: 011 2638912 E-mail: officebu@rect.bg.ac.yu

Београд, 29.10.2009. године  
Број: 06-613-1467/4/09  
МЧБ

На основу члана 104. став 9. Закона о високом образовању ("Службени гласник РС", бр. 76/05, 100/07-аутентично тумачење и 97/08), члана 11. Правилника о признавању страних високошколских исправа ("Гласник Универзитета у Београду", бр. 129/06 и 145/08) и одлуке Комисије Универзитета за признавање страних високошколских исправа број: 06-613-1467/3/09 од 1. октобра 2009. године, доносим

### РЕШЕЊЕ

ПРИЗНАЈЕ СЕ диплома **Universität Stuttgart, Штутгарт, Немачка**, од 21.01.2009. године, на коме је **Владимир (Милан) Дамљановић** стекао образовање, као диплома докторских студија са научним звањем **доктор физичких наука**.

### Образложење

Универзитету у Београду и Физичком факултету обратио се Владимир (Милан) Дамљановић рођен 18.11.1971. године у Београду, Република Србија, захтевом за признавање дипломе Universität Stuttgart, Штутгарт, Немачка, на коме је именовани стекао звање доктор природних наука.

Стручни органи Факултета размотрили су све списе предмета и предложили Комисији Универзитета доношење одлуке, којом се предметна диплома признаје као диплома докторских студија са научним звањем доктор физичких наука, што је Комисија Универзитета прихватила.

Са изложеног, одлучено је као у изреци овог решења.

### ПОУКА О ПРАВНОМ ЛЕКУ:

Ово решење је коначно у управном поступку, па се против њега може покренути управни спор код Окружног суда у Београду, у року од 30 дана од дана пријема решења.

РЕКТОР  
  
Проф. др Бранко Ковачевић



 Federal Ministry  
Republic of Austria  
Education, Science  
and Research



## PROTOCOL

### 3<sup>rd</sup> SELECTION MEETING

#### MULTILATERAL SCIENTIFIC AND TECHNOLOGICAL COOPERATION IN THE DANUBE REGION

The selection meeting of the 3<sup>rd</sup> Joint Call of the Programme for Funding Multilateral Scientific and Technological Cooperation Projects in the Danube Region adopted by

- the Austrian Federal Ministry of Education, Science and Research
- the Bulgarian National Science Fund
- the Ministry of Education, Youth and Sports of the Czech Republic
- the French Ministry of Higher Education and Research and the French Ministry of Europe and Foreign Affairs
- the Ministry of Science and Technological Development of Montenegro
- the Ministry of Science, Technological Development and Innovation of the Republic of Serbia
- and the Ministry of Education, Science, Research and Sport of the Slovak Republic

took place in Vienna and Belgrade on 16 June 2023.

The representatives of the participating countries (hereinafter jointly referred to as "delegations") can be found in Annex 1.

**Selection of projects for the period 2023-2025**

The delegations selected according the agreed procedure and recommended to finance mobility costs of 24 co-operation projects lasting from July 2023 to June 2025. These projects are listed in Annex 2.

**Next call for project proposals for the period 2025-2027**


The delegations have reached an understanding that due to the success of the Joint Calls a fourth call for proposals shall be envisaged for autumn 2024. The selection meeting is planned in the second half of 2025. The details will be agreed upon by e-mail. The 4<sup>th</sup> call shall be open to further "Participants" in the Danube region but also to other interested countries joining the programme.

Done in Vienna, Podgorica and Belgrade, on 16. June 2023 in 7 original copies in English language.



**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Austrian Participant



Christian Gollubits

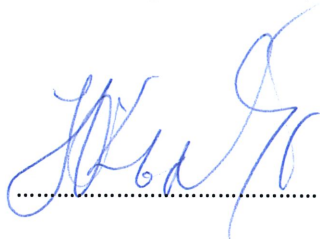
Head of Unit

Bilateral Cooperation and International S&T Agreements

**Federal Ministry of Education, Science and Research of the Republic of Austria**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Bulgarian Participant




Yuri Kalvachev

Manager

**Bulgarian Science Fund**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Czech Participant

A handwritten signature in blue ink, consisting of a long diagonal stroke followed by a small loop and a horizontal dash.

Luděk Kos

Head of Unit

Management of International R&D Programmes Unit

**Ministry of Education, Youth and Sports of the Czech Republic**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the French Participant

A handwritten signature in blue ink, consisting of several fluid, overlapping strokes that form a stylized, somewhat abstract shape.

.....

Christophe Delacourt

Head of the International Expertise Department  
**French Ministry of Higher Education and Research**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Montenegrin Participant

ANĐELA RADULOVIĆ  
.....

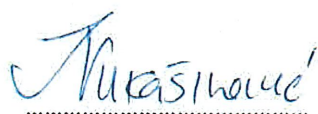
Anđela Radulović

General Secretary

**Ministry of Science and Technological Development of Montenegro**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Serbian Participant



Ivana Vukašinović

Acting Assistant Minister

Department for International Cooperation and European Integration  
**Ministry of Science, Technological Development and Innovation**

**Protocol: 3<sup>rd</sup> Selection Meeting of the Multilateral Scientific and Technological cooperation in the Danube Region**

For the Slovak Participant



Marcel Sládok

Department of European and International Science Policy  
**Ministry of Education, Science, Research and Sport of the Slovak Republic**



Project #	Project Title	AT Project Leader - First Name	AT Project Leader - Surname	AT Organisation	FR Project Leader - First Name	FR Project Leader - Surname	FR Organisation	CZ Project Leader - First Name	CZ Project Leader - Surname	CZ Organisation	SK Project Leader - First Name	SK Project Leader - Surname	SK Organisation	SRB Project Leader - First Name	SRB Project Leader - Surname	SRB Organisation	ME Project Leader - First Name	ME Project Leader - Surname	ME Organisation	BG Project Leader - First Name	BG Project Leader - Surname	BG Organisation
1	Indicators of genetic diversity of autochthonous sheep and goat breeds from Slovakia, Austria, Czech Republic, Serbia and Montenegro	Gabor	MESZAROS	Universität für Bodenkultur Wien;				Luboš	VOSTRÝ	Czech University of Life Sciences Prague	Radovan	KASARDA	Slovak University of Agriculture in Nitra	Vladan	BOGDANOVIĆ	University of Belgrade Faculty of Agriculture	Bozidarka	MARKOVIC	University of Montenegro			
2	Convergent adaptation to challenging substrates in plants	Bozo	FRAJMAN	Universität Innsbruck;				Filip	KOLÁŘ	Charles University				Tomica	MIŠUENOVIĆ	University of Belgrade Faculty of Biology						
3	Integral geological and geochemical study of Miocene lignite from basins in the Danube region.	Doris	GROSS	Montanuniversität Leoben;										Ksenija	STOJANOVIĆ	University of Belgrade Faculty of Chemistry, Faculty of Mining and				Irena	KOSTOVA-DINEVA	Sofia University "St. Kliment Ohridski"
4	Joint European Research and Innovation on the Belle II-Experiment ( JERI-B2 )	Christoph	SCHWANDA	Österreichische Akademie der	Isabelle	RIPP-BAUDOT	CNRS	Zdeněk	DOLEŽAL	Charles University												
5	Identification of defense mechanisms against harmful and aggressive pathogens in economically important							Martin	ČERNÝ	Mendel University in Brno	Jaroslav	Šurkovič	Technical University in Zvolen	Ivan	Millenkovič	University of Belgrade Faculty of Forestry						
6	Synergy of multiscale Modelling and machine Learning: Strategy for biomedical sciences and battle against cancer				Adnan	Ibrahimbegovic	University of Technology Compiegne (UTC)	Anna	KUČEROVÁ	Czech Technical University in Prague				Miloš/Nenad	Kojić/Filipović	University of Kragujevac						
7	Towards a network for automated real-time monitoring of Quercus robur L. vitality in the Danube region (NetFor)	Katharina	LAPIN	Bundesforschungs- und Ausbildungszentrum für Wald, Naturgefahren und Landschaft;				Marko	STOJANOVIĆ	Global Change Research Institute of the Czech Academy of Sciences	Marek	JEŽÍK	Slovak Academy of Sciences - SAS	Srdan	STOJINIĆ	University of Novi Sad Faculty of Agriculture						
8	Species-specific effect of nucleolus in embryonic development				Amélie	Bonnet-Garnier	Centre INRA de Jouy-en-Josas	Jan	NEVORAL	Charles University (Faculty of Medicine in Pilsen)	Michal	Benc	Constantine the Philosopher University in Nitra									
9	Beneath the water surface: a study on host-parasite-microbes associations in the aquatic environments / BENEATH THE WATER SURFACE: STUDY ON HOST-SYMBIONT ASSOCIATIONS IN AQUATIC ENVIRONMENT (submitted in France)				Yves / ELODIE (in the French project)	Desdèvises / MAGNANOU (in the French project)	Oceanological Observatory of Banyuls-sur-Mer (OBB) / BIOLOGIE INTÉGRATIVE DES ORGANISMES MARINS	Michal	BENOVICS	Masaryk University	Peter	Mikulíček	Comenius University Bratislava									
10	Luminescent materials for optical measurements of pressure and temperature in aerospace research	Sergey	BORISOV	Technische Universität Graz;	Benoit	FOND	Paris-Saclay University							Miroslav	DRAMICANIN	Vinča Institute of Nuclear Sciences						
11	Multifunctional ZnO-based hybrids for wastewater remediation							Václav	SLOVÁK	University of Ostrava	Dana	Dvoranová	Slovak University of Technology in Bratislava (STU)	Dušan	Sredojević	University of Belgrade Vinča Institute of Nuclear Sciences						
12	SIC Timepix detector				Abdallah / CHRISTOPHE (in the French proposal)	Lyoussi / DESTOUCHES (in the French proposal)	French Atomic Energy and Alternative Energies Commission	Benedikt	BERGMANN	Czech Technical University in Prague	Andrea	Šagátová	Slovak University of Technology in Bratislava (STU)									
13	Climate change Resistant Danube river embankments	Wei	WU	Universität für Bodenkultur Wien;				Lumír	MIČA	Brno University of Technology	Jana	FRANKOVSKÁ	Slovak University of Technology in Bratislava (STU)	Sanja	JOCKOVIĆ	University of Belgrade Faculty of Civil Engineering				Chavdar	KOLEV	Higher School of Transport "Todor Kableshkov" Sofia
14	Mathematical investigation of hysteresis in material modeling	Victor A.	KOVTUNENKO	Technische Universität Graz; Technische Universität Wien; Universität Graz;	Adrien	PETROV	Université de Lyon	Giselle Antunes	MONTEIRO	Institute of Mathematics of the Czech Academy of Sciences												
15	Geomorphological interpretation of photogrammetry and laser scanning data in the study of torrential watersheds				Laure	Guerit	CNRS – Géosciences Rennes, Université de Rennes	Jiří	JAKUBÍNSKÝ	Global Change Research Institute of the Czech Academy of Sciences				Ana	M. Petrović	Geographical Institute “Jovan Cvijić” of the Serbian Academy of Sciences and Arts				Valentina	Vankova Nikolova	University of Mining and Geology “St. Ivan Rilski”
16	Self-heating magnetic nanoconstructs for theranostic applications							Jarmila	VILČÁKOVÁ	Tomas Bata University in Zlín	Martina	Kubovčiková	Slovak Academy of Sciences - SAS	Miloš	Ognjanović	University of Belgrade Vinča Institute of Nuclear Sciences,The Institute of				Hristo	Kolev	Bulgarian Academy of Sciences
17	Neolithic Mobilities: Morava river basin as a case study	Michael	BRANDL	Österreichische Akademie der Wissenschaften;	Solène	DENIS	CNRS	František	TRAMPOTA	Institute of Archaeology of the Czech Academy of Sciences												
18	Novel Magnetically Bistable Cobalt(II) and Iron(II) Hofmann-like Polymers for Surface Deposition				Lucie	Routaboul	Laboratoire de Chimie de Coordination CNRS CNRS & Université de Toulouse	Bohuslav	DRAHOŠ	Palacký University Olomouc	Ivan	Šalitraš	Slovak University of Technology in Bratislava (STU)									
19	Effective elimination of drug residues in water using photocatalytic degradation				Gilles	Ledoux	Institut Lumière Matière	Zdeněk	REMEŠ	Institute of Physics of the Czech Academy of Sciences	Júlia	Mičová	Slovak Academy of Sciences - SAS									
20	Nonthermal Phase transitions in 2D Gallium Sulphide for Applications in Next-Generation Devices	Kurt	HINGERL	Institute of Physics Belgrade; Johannes Kepler Universität Linz; University of Montenegro;										Vladimir	DAMLIJANOVIĆ	Institute of Physics Belgrade	Predrag	MIRANOVIC	University of Montenegro			
21	Green manuring as a tool for improvement of soil microbiome and quality of vegetables in sustainable agriculture	Gabriele	BERG	Technische Universität Graz;				Martin	KOUDELA	Czech University of Life Sciences Prague	Miroslav	ŠLOSÁR	Slovak University of Agriculture in Nitra									
22	Extreme droughts and their impact on agriculture in selected continental climates of Europe	Josef	EITZINGER	Universität für Bodenkultur Wien;							Martin	GERA	Comenius University in Bratislava							Nina	Nikolova	Sofia University "St. Kliment Ohridski"
23	Identity Dynamics in the Danube Region (based on the example of Vidin, Lom and Kozloduy)							Lenka	JAKOUBKOVÁ BUDILOVÁ	Charles University	Ivan	Souček	Matej Bel University							Mira	Markova	Sofia University "St. Kliment Ohridski"
24	New generation networks based on hybrid configuration with integrated passive optical components (NetCom)	Dana	SEYRINGER	FH Vorarlberg;				Jan	LÁTAL	VSŽ - Technical University of Ostrava	Jozef	CHOVAN	Slovak Centre of Scientific and Technical Information									

*[Handwritten signatures and notes at the bottom of the page]*



УНИВЕРЗИТЕТ У БЕОГРАДУ

ИНСТИТУТ ЗА ФИЗИКУ БЕОГРАД

ИНСТИТУТ ОД НАЦИОНАЛНОГ ЗНАЧАЈА ЗА РЕПУБЛИКУ СРБИЈУ

Прегревица 118, 11080 Земун - Београд, Република Србија

Телефон: +381 11 3713000, Факс: +381 11 3162190, [www.ipb.ac.rs](http://www.ipb.ac.rs)

ПИБ: 100105980, Матични број: 07018029, Текући рачун: 205-66984-23



## ПОТВРДА О РУКОВОЂЕЊУ ПОТПРОЈЕКТОМ

Овим потврђујем да је др Владимир Дамљановић, виши научни сарадник Института за физику Београд, руководио потпројектом „Предикција електронских дисперзија дводимензионалних материјала помоћу симетрије“, у оквиру пројекта „Физика уређених наноструктура и нових материјала у фотоници“, Министарства просвете науке и технолошког развоја Републике Србије под бројем ОИ 171005.

Руководилац пројекта ОИ 171005

Др Радош Гајић,  
научни саветник  
Институт за физику Београд

A handwritten signature in blue ink, reading 'Radoslaw Gajic' in a cursive script.

**ПРЕДАВАЊА ПО ПОЗИВУ (ОСИМ НА  
КОНФЕРЕНЦИЈАМА) – ПОЗИВНА ПИСМА**

To whom it may concern  
Austrian Consulate in Serbia

University Belgrade  
Dr. Vladimir Damljanovic  
Institute of Physics Belgrade  
Pregrevica 118, 11080 Belgrade, Serbia  
<http://www.ipb.ac.rs/>

Prof. DI Dr. Kurt Hingerl  
Zentrum für Oberflächen- und  
Nanoanalytik

T +43 732 2468 5801  
F +43 732 2468 5816  
kurt.hingerl@jku.at

Sekretariat:  
Elisabeth Mayrhofer  
elisabeth.mayrhofer@jku.at  
DW 5800

Linz, 2021-05-30

**Re: Invitation for Lectures for Dr. Vladimir Damljanovic to Johannes  
Kepler University Linz**

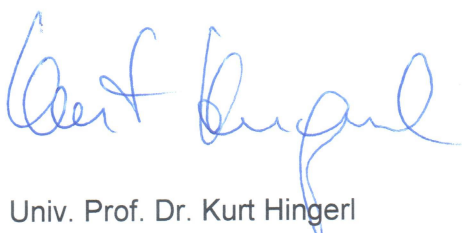
Dear Madam, dear Sir,

We hereby invite Dr Vladimir Damljanovic from University Belgrade, Institute of Physics to give in total 4 lectures from the 22nd of June 2021 to the 1st of July 2021 to the Johannes Kepler University, Austria, for Master and PhD students, as well as the JKU faculty. The trip expenses are all paid by JKU, and the JKU is fully reimbursed by the European Community in the frame of an ERASMUS+ project. The trip has to be in this time slot, because the project terminates in the summer 2021 and the summer term at JKU ends on the 1st of July. Afterwards no students will be present at the university.

We ask Vladimir to treat the following preferred topics:

1. An introductory lecture to mathematical group theory
2. An introductory lecture to group theory in crystalline solids
3. A lecture on application of group theory in magnetic solids
4. Applications of group theory to quantum mechanics.

We ask to issue the visa and all other documents for the trip in advance. If necessary, we can provide a copy of the ERASMUS+ grant agreement.



Univ. Prof. Dr. Kurt Hingerl





**JOHANNES KEPLER  
UNIVERSITÄT LINZ**

**Prof. DI Dr. Kurt Hingerl**  
Zentrum für Oberflächen- und  
Nanoanalytik

T +43 732 2468 5801  
F +43 732 2468 5816  
kurt.hingerl@jku.at

Sekretariat:  
Elisabeth Mayrhofer  
elisabeth.mayrhofer@jku.at  
DW 5800

**To whom it may concern**  
**Austrian Consulate/Embassy in Serbia**

**University Belgrade**  
**Dr. Vladimir Damljanovic**  
Institute of Physics Belgrade  
Pregrevica 118, 11080 Belgrade, Serbia  
<http://www.ipb.ac.rs/>

Linz, 2023-05-17

**Re: Invitation for Lecture and Research at Johannes Kepler University Linz for Dr. Vladimir Damljanovic**

Dear Madam, dear Sir,

I hereby invite Dr Vladimir Damljanovic from University Belgrade, Institute of Physics, to give one lecture and perform together with me and my group members research on "Group Theory" from the 1<sup>st</sup> of July 2023 to the 31<sup>st</sup> of July 2023 to the Johannes Kepler University, Austria. The trip has to be in this time slot, because the summer term ends, but neither I nor my coworkers are taking vacations.

Valdimir will not be formally employed by JKU, but all his expenses (hotel, trip, daily allowance) will be covered. I ask the Austrian Consulate or Embassy to issue the respective visum. A copy of the research fellowship assignment can be sent in addition, if necessary.

Univ. Prof. Dr. Kurt Hingerl



**JOHANNES KEPLER  
UNIVERSITÄT LINZ**  
Altenberger Straße 69  
4040 Linz, Österreich  
[www.jku.at](http://www.jku.at)  
DVR 0093696

**VLADIMIR DAMLIJANOVIC**  
Associate Research Professor  
Institute of Physics Belgrad  
Centre for Solid State Physics and New Materials  
damlja@ipb.ac.rs

## **Explanation of known and prediction of new quasiparticles in two dimensional materials using symmetry**

The electronic dispersion – the form of a band structure in the vicinity of the Fermi energy, determines some of the material physical properties. Presence of Dirac cones near point-like band contacts at the corners of the Brillouin zone in graphene is one famous example.

Unmovable band touching points and lines are intact by symmetry preserving perturbations. Their positions in the reciprocal space and the dispersions (quasiparticles) in their vicinity (but unfortunately not their energy relative to the Fermi level) are determined by the very symmetry of the material. All quasiparticles of all possible symmetries of non-magnetic 2D materials near all unmovable band contacts have been recently determined [1]. In total nineteen quasiparticles were found [1], very few of them being discussed in the literature so far. In this talk our recently published results [1] are discussed together with a few ideas towards realization of 2D materials with the prescribed symmetry and with the right placement of the Fermi level. In this respect comments and discussions from the audience involved in the physics of 2D materials in the lab will be highly appreciated.

[1] V. Damljanović, N. Lazić: *“Electronic structures near unmovable nodal points and lines in two-dimensional materials”*, Journal of Physics A: Mathematical and Theoretical **56**, 215201 (2023).


**Date: 12<sup>th</sup> of July 2023    Time: 10:15 a.m.**

**Room: HS13**

**ДОКАЗИ О РЕЦЕНЗИЈАМА РАДОВА ЗА ЧАСОПИСЕ СА  
SCI ЛИСТЕ (на следеће четири стране)**





**Subject** Decision on a manuscript you reviewed: 2DM-  
**From** 2D Materials <onbehalf@manuscriptcentral.com>  
**To** <2dmaterials@iopublishing.org>  
**Reply-To** <2dmaterials@iopublishing.org>  
**Date** 2024-03-11 17:15

Thank you for your reviewer report on this Paper being considered by 2D Materials. We have made a decision on this manuscript based on all the feedback received.

On this occasion our decision is: Moderate Revision

You can find all reviewer comments relating to this version of the manuscript below. If the comments refer to an attachment and you would like to read this, please let us know by replying to this email.

### Supporting our reviewer community

IOP Publishing offers many benefits and rewards to our reviewers. These include:

- a 10% discount on an article publication charge in this journal
- a free online reviewer training course
- acknowledgement via the Web of Science Reviewer Recognition Service

We thank you for your assessment of this manuscript. We look forward to working with you again in the future.

Yours sincerely

David Murray

On behalf of:  
2D Materials  
Editor-in-Chief: Wencai Ren  
iopscience.org/2dm | 2dm@iopublishing.org  
Impact Factor: 5.5 | Citescore: 11

Want to find out what is happening to your submission?

Track your article on:

Publishing support: <https://publishingsupport.iopscience.iop.org/track-my-article/>

WeChat: <https://publishingsupport.iopscience.iop.org/track-your-article-on-wechat/>

[iopublishing.org](http://iopublishing.org) | [twitter.com/IOPPublishing](https://twitter.com/IOPPublishing)

**\*\*Reviewer comments on this manuscript\*\***

Referee: 1

COMMENTS TO THE AUTHOR  
The authors determine the layer groups for 2D materials by using the AA' stacking. I think that adding more layer groups for 2D materials is necessary.  
Minor revision:  
1. I would like to see more details about the layer groups.  
2. May I know the definition of the layer groups?  
3. I could not find the definition of the layer groups in the manuscript. It seems that the definition is not clear.

Referee: 2

COMMENTS TO THE AUTHOR  
Fu et al. present a new classification method for 2D lattice structures with a 2D lattice. The AA' stacking is compared with the conventional space group. The topic is interesting and will likely attract the attention of researchers from various fields. Based on these considerations, this manuscript can be published with minor revisions. Detailed comments that may improve the manuscript are listed below.  
1. Does the classification method apply to the AA'-stacked bulk structure?  
2. The manuscript uses a tolerance parameter of 0.1 Angstrom; how is it determined?  
3. Layer groups of more than 15000 monolayer structures in the C2DB database are determined. Does it cover the

metastable 2D layers?

4. It would be better to further highlight the advantages of using the layer groups.

Referee: 3

COMMENTS TO:

The author... crystals and  
applies this... and to  
describes... approach  
for desc... data to  
warrant...

1. The a... in  
manuscr...

2. The refe...

Letter ref: DEC.



**Subject** How was your reviewing experience for Journal of Physics:  
**Condensed Matter**

**From** Journal of Physics: Condensed Matter  
<onbehalf@manuscriptcentral.com>

**To** <damlja@ipb.ac.rs>

**Reply-To** <jpcm@iopublishing.org>

**Date** 2024-07-29 08:04

Dear Dr Damljanovic,

Re: "~~REDACTED~~"

Manuscript reference: JPCM-~~REDACTED~~

Thank for you reviewing this Paper for Journal of Physics: Condensed Matter.

We are committed to improving our reviewer experience and would like to ask for your feedback on the process of reviewing a submission with us.

Please take a few minutes to complete a short survey by following the link below:

<https://forms.office.com/r/T26Bu71Wz5>

We also want to remind you that by completing a reviewer report for us, you will have earned a discount on our Article Publication Charges (APCs). You can also gain recognition of your review via the Web of Science Reviewer Recognition Service and ORCID.

Thank you for your help and we look forward to working with you again in the future.

Yours sincerely,

On behalf of:

Journal of Physics : Condensed Matter

Editor-in-Chief: Gianfranco Pacchioni

[iopscience.org/jpcm](https://iopscience.org/jpcm) | [jpcm@iopublishing.org](mailto:jpcm@iopublishing.org) | [twitter.com/JPCM](https://twitter.com/JPCM)

Impact Factor: 2.3

Want to find out what is happening to your submission? Track your article here:  
<https://publishingsupport.iopscience.iop.org/track-my-article/>

[iopublishing.org](https://iopublishing.org) | [twitter.com/IOPPublishing](https://twitter.com/IOPPublishing)

Letter reference: EREM:ThnkRev:S

**Subject** How was your reviewing experience for Physica Scripta  
**From** Physica Scripta <onbehalf@manuscriptcentral.com>  
**To** <damlja@ipb.ac.rs>  
**Reply-To** <physscr@iopublishing.org>  
**Date** 2025-04-04 20:52



Dear Dr Damljanovic,

Re: ~~"Physica Scripta: How was your reviewing experience for Physica Scripta"~~

Manuscript reference: PHYSSCR-~~109206~~

Thank for you reviewing this Paper for Physica Scripta.

We are committed to improving our reviewer experience and would like to ask for your feedback on the process of reviewing a submission with us.

Please take a few minutes to complete a short survey by following the link below:

<https://forms.office.com/r/T26Bu71Wz5>

We also want to remind you that by completing a reviewer report for us, you will have earned a discount on our Article Publication Charges (APCs). You can also gain recognition of your review via the Web of Science Reviewer Recognition Service and ORCID.

Thank you for your help and we look forward to working with you again in the future.

Yours sincerely,

On behalf of:

Physica Scripta  
Editor: Georgia Goring  
Publisher: Huan Wang

[iopscience.org/physscr](https://iopscience.org/physscr) | [physscr@iopublishing.org](mailto:physscr@iopublishing.org)

Impact Factor: 2.6 | Citescore: 3.7

Want to find out what is happening to your submission?

Track your article on:

Publishing support: <https://publishingsupport.iopscience.iop.org/track-my-article/>

WeChat: <https://publishingsupport.iopscience.iop.org/track-your-article-on-wechat/>

[iopublishing.org](https://iopublishing.org) | [twitter.com/IOPPublishing](https://twitter.com/IOPPublishing)

Letter reference: EREM:ThnkRev:S



This is to certify that

**Dr Damljanovic**

has achieved IOP trusted reviewer status  
in recognition of an exceptionally high level  
of peer review competency.

**Congratulations on this achievement  
and thank you for your contribution to ensuring  
quality and trust in peer review.**

A handwritten signature in black ink, which appears to read 'A Seymour'.

**Antonia Seymour**  
*Publishing Director*  
IOP Publishing

УНИВЕРЗИТЕТ У БЕОГРАДУ

ИНСТИТУТ ЗА ФИЗИКУ БЕОГРАД

ИНСТИТУТ ОД НАЦИОНАЛНОГ ЗНАЧАЈА ЗА РЕПУБЛИКУ СРБИЈУ

Прегревица 118, 11080 Земун - Београд, Република Србија

Телефон: +381 11 3713000, Факс: +381 11 3162190, [www.ipb.ac.rs](http://www.ipb.ac.rs)

ПИБ: 100105980, Матични број: 07018029, Текући рачун: 205-66984-23



## ПОТВРДА О КОМЕНТОРСТВУ

Овим потврђујем да је др Владимир Дамљановић, виши научни сарадник Института за физику Београд, био коментор докторске тезе “Investigation of superconductivity in graphene and related materials using *ab-initio* methods”, студенткиње Јелене Пешић, број индекса 2012/8037, одбрањене 04. 12. 2017. на Физичком факултету Универзитета у Београду. Ментор ове докторске тезе је др Радош Гајић.

Руководилац пројекта ОИ171005

Др Радош Гајић  
научни саветник  
Институт за физику Београд

A handwritten signature in blue ink, reading 'Radoš Gajić'.

UNIVERSITY OF BELGRADE  
FACULTY OF PHYSICS

Jelena R. Pešić

**INVESTIGATION OF SUPERCONDUCTIVITY  
IN GRAPHENE AND RELATED MATERIALS  
USING AB-INITIO METHODS**

dissertation

*Belgrade, 2017*

UNIVERZITET U BEOGRADU  
FIZIČKI FAKULTET

Jelena R. Pešić

**ISTRAŽIVANJE SUPERPROVODNOSTI U  
GRAFENU I SLIČNIM MATERIJALIMA  
KORIŠĆENJEM AB-INITIO METODA**

disertacija

*Beograd, 2017*

## Mentor:

dr Radoš Gajić,  
*naučni savetnik,*  
*Institut za fiziku, Univerzitet u Beogradu*

## Članovi komisije:

dr Kurt Hingerl  
*professor*  
*Johannes Kepler University, Linz , Austria*

dr Ivanka Milošević  
*redovni profesor*  
*Fizički fakultet, Univerzitet u Beogradu*

dr Milan Knežević  
*redovni profesor*  
*Fizički fakultet, Univerzitet u Beogradu*

dr Djordje Spasojević  
*vanredni profesor*  
*Fizički fakultet, Univerzitet u Beogradu*

dr Zoran Popović  
*naučni savetnik*  
*INN Vinča, Univerzitet u Beogradu*

Datum odbrane: 4. Decembar 2017

## Acknowledgements

First I would like to thank my mentor Professor dr. Radoš Gajić. His continuous guidance, and trust have not only helped me to complete my thesis work, but also led me the way to be an open-minded scientist. His passion and dedication, as well as his high standards toward science have deeply impacted me, which would be a great benefit for my future academic career. I've learned not only about science, solid state physics, superconductivity and nanomaterials but as well about creative thinking. I consider myself fortunate to graduate under his guidance.

I am especially grateful to my colleague dr. Vladimir Damljanović, for great cooperation and support. His commitment and patience were invaluable to me. I am thankful for advice that originated from applications of symmetry to phonon- and band-structure calculations and for reading and commenting my thesis.

I am rather grateful to Professor dr. Kurt Hingerl from Johannes Kepler University, Linz, Austria for providing me access to their computational resources and for helpful discussions, comments and suggestions. I was very fortunate to coauthor several papers with Professor Hingerl and to engage in writing of few international projects of cooperation with him and his group. The long-term cooperation that exists between our groups was of a great value to me.

Also am very grateful to my colleagues: dr. Aleksandar Matković for teaching me the process of the micromechanical exfoliation and for many useful discussions about physics of the graphene, dr. Borislav Vasić and dr. Marko Spasenović for cooperation on several experimental publications and many helpful comments that improved my understanding of experimental physics, and dr. Igor Popov for many interesting explanations of fine particularities of DFT calculations. They all together have helped me many times during my studies through comments, advices, and ideas. I am grateful to dr. Aleksandar Milosavljević for including me in cooperation with University of Potsdam and their joint project on DNA origami structures.

I am grateful to Professor dr. Milivoj R. Belić from Texas A&M University at Qatar, for helpful discussions, comments and suggestions and for managing of QNRF project in past few years.

I would like to thank my colleagues and fellow PhD students Jasna Vujin, Tijana Tomašević-Ilić and Andrijana Šolajić who I am sharing with, not only, scientific work but PhD student life.

Also, I would like to thank all the colleagues from Graphene Laboratory as well



as, from the Center of Solid State Physics and New Materials, for their help and for creating a friendly work environment. Specially I would like to express my gratitude to the head of the center of Solid State Physics and New Materials Professor dr. Zoran V. Popović.

I would like to thank Professor dr. Nebojša Romčević for his support and for all the help in managing the industry project "Graphene based functional inks and printing of Radio-frequency identification tags". I would like to thank Professor dr. Radomir Žikić for support and wonderful cooperation throughout all time of my research at Institute of Physics. I was engaged in writing several projects with Professor Žikić and his group which was great experience. Working with him and his group was always enlightening and pleasant experience.

I would like to thank members of committee, Professor dr. Ivanka Milošević, Professor dr. Milan Knežević, Professor dr. Zoran S. Popović and Professor dr. Djordje Spasojević.

I would like to thank Professor dr. Ilko Bald and dr. Julia Prinz from University of Potsdam, Germany. A fruitful collaboration between our research groups have resulted with several joint publications on graphene and organic nanostructures.

I am grateful to Professor dr. Emmanuele Cappeluti, Istituto dei Sistemi Complessi CNR, Italy for interesting discussions and advices about superconductivity. The ongoing cooperation with Professor Cappeluti was of great value to me and his passion for understanding superconductivity from both theoretical and experimental aspect, was always great inspiration to me.

I would like to thank Professor dr. Ivanka Holclajtner-Antunović for providing Raman spectra (Figures 1.10 and 1.11).

I would like to acknowledge financial support by the Serbian Ministry of Science through Projects OI 171005 and by Industry project "Graphene based functional inks and printing of Radio-frequency identification tags" (in period 2014-2015) and by project of bilateral cooperation with Republic of China titled "Crystal Growth and peculiar physics of normal state of ReBCO crystals" and by Qatar National Research Foundation through Project "Intercalated graphene: effects of substrates on functionalities", NPRP 7-665-1-125.

Last but not least, I would like to thank my family for unconditional support and understanding and to my significant other, Dušan, for love and patience and for believing in me. Their support and love gave me the strength to pursue a scientific career.

**ДОКАЗ ДА ЈЕ РАД У JOURNAL OF PHYSICS  
CONDENSED MATTER ИЗАБРАН ЗА HIGHLIGHTS –  
ПИСМО УРЕДНИКА**

5/16/22, 9:29 PM

Institute of Physics Belgrade Roundcube Webmail :: Your JPCM article has been selected for our 2017 highlights

**Subject** Your JPCM article has been selected for our 2017 highlights

**From** Thomas Sharp <thomas.sharp@iop.org>

**To** damilja@ipb.ac.rs <damilja@ipb.ac.rs>

**Date** 2018-02-06 15:35



5/16/22, 9:29 PM

Institute of Physics Belgrade Roundcube Webmail :: Your JPCM article has been selected for our 2017 highlights

Dear authors,

Thank you for publishing your work in *Journal of Physics: Condensed Matter* in 2017. I am pleased to inform you that your article "Existence of semi-Dirac cones and symmetry of two-dimensional materials" has been included in the annual journal highlights, which are all free to read for the remainder of 2018. You can read the rest of the highlights articles from all our sections [here](#).

We look forward to working with you again soon!

Best wishes,

**Tom Sharp**

Executive Editor

*Journal of Physics: Condensed Matter*

IOP Publishing

Temple Circus, Temple Way, Bristol

BS1 6HG, UK

<http://publishing.iop.org/>