

**Univerzitet Crne Gore  
Prirodno-matematički fakultet**

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Broj: 2712/1

Datum: 24. 11. 2021

**Univerzitet Crne Gore  
Odboru za doktorske studije**

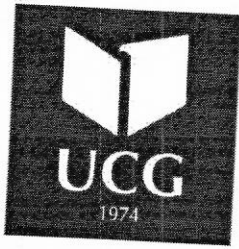
U prilogu akta dostavljamo Odluku o usvajanju Izvještaja mentora prof. dr Predraga Miranovića o napredovanju doktoranda Mr Jovane Bogdanović, sa sjednice Vijeća od 19. 11. 2021. godine.

S poštovanjem,

Dekan,

Prof. dr Predrag Miranović





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Na osnovu člana 64 Statuta Univerziteta Crne Gore, a u vezi sa članom 29 stav 1 Pravila studiranja na doktorskim studijama Univerziteta Crne Gore, Vijeće je donijelo

**ODLUKU**

**I**

Predlažemo Centru za doktorske studije Univerziteta Crne Gore prof. dr Predraga Miranovića, redovnog profesora na Prirodno-matematičkom fakultetu za mentora studentu doktorskih studija - studijski program Fizika- Jovani Bogdanović.

**II**

Dokumentacija o ispunjenosti uslova za imenovanje mentora I Potvrda o studiranju Jovane Bogdanović predstavlja sastavni dio odluke.


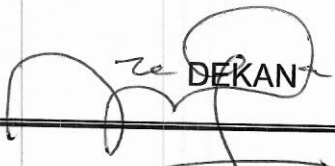
**III**

Odluka se dostavlja Odboru za doktorske studije.



Broj: 27/12  
Podgorica, 18. 11. 2014. god.

## MENTORSTVO

<b>Kandidat: Ime i prezime</b>		Jovana Bogdanović		
<b>PREDLOŽENI MENTORI/</b>				
	Titula, ime i prezime	Ustanova i država	Naučna oblast	
Prvi mentor	Prof dr Predrag Miranović	Prirodno-matematički fakultet, Univerzitet Crne Gore	Fizika čvrstog stanja	
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora				
<b>KOMPETENCIJE MENTORA</b> (pet objavljenih radova u relevantnim časopisima)				
Prvi mentor	1	Z Popović, P Miranović, R Zikic, Physica Status Solidi (b) 255 (6), 1700554 (2018), Online ISSN: 1521-3951		
	2	Z Popović, P Miranović, Progress of Theoretical and Experimental Physics 2018 (4), 043101 (2018), Online ISSN 2050-3911		
	3	K M. Suzuki, K Inoue, P Miranović, M Ichioka, K Machida, Journal of the Physical Society of Japan 79 (1), 013702 (2009), Online ISSN 1347-4073		
	4	N Nakai, P Miranović, M Ichioka, K Machida, Physical Review B 73 (17), 172501 (2006), Online ISSN 1347-4073, Online ISSN 2469-9969		
	5	P Miranović, M Ichioka, K Machida, N Nakai, Journal of Physics: Condensed Matter 17 (50), 7971 (2005), Online ISSN: 1361-648X		
<b>PODACI O MAGISTRANDIMA I DOKTORANDIMA</b>				
	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	Ukupno
Prvi mentor	0	1	1	1
<b>Datum i ovjera (pečat i potpis odgovorne osobe)</b>				
U Podgorici, (navesti datum)				
				

## Predrag Miranović -biografija-

Rođen sam 12 decembra 1966. godine u Podgorici, Crna Gora, gdje sam završio osnovnu školu i gimnaziju. Nakon odsluženja vojnog roka u JNA upisao sam 1986. godine studije fizike na Prirodno-matematičkom fakultetu Univerziteta Crne Gore. Studije sam završio u redovnom roku oktobra 1990. godine sa prosječnom ocjenom 9,63. Proglašen sam za najboljeg diplomiranog studenta Univerziteta Crne Gore za školsku 1989/90 i dobio Plaketu Univerziteta Crne Gore.

Odmah nakon završetka studija sam angažovan kao asistent-pripravnik na Univerzitetu Crne Gore. Upisao sam postdiplomske magistarske studije na Fizičkom fakultetu u Beogradu, i paralelno izvodio vježbe na Odsjeku za fiziku u Podgorici. Magistarski rad pod nazivom "NMR linije u visokotemperaturnim superprovodnicima" sam odbranio u oktobru 1993. godine. Kako bih se potpuno posvetio izradi doktorske disertacije u periodu 1993-1995 godine sam bio radno angažovan na Institutu za Fiziku u Zemunu. Doktorsku disertaciju "Magneto-elastični efekti u anizotropnim superprovodnicima" pod mentorstvom Ljiljane Dobrosavljević-Grujić sam odbranio u martu 1996. godine na Fizičkom fakultetu u Beogradu. Rezultati iz doktorske disertacije su objavljeni u dva rada u časopisu Američkog fizičkog društva, Physical Review B. Na osnovu toga sam nagrađen od strane Crnogorske akademije nauka i umjetnosti nagradom iz fonda Petra Vukčevića za uspjeh u istraživačkom radu u periodu 1993-1995. Nakon odbrane doktorske disertacije, u junu 1996. godine sam izabran u zvanje docent za predmet *Kvantna Mehanika* na Univerzitetu Crne Gore.

Tokom ljeta 1996. godine sam započeo saradnju sa Vladimirom G. Koganom na problemu raspodjele magnetnog polja unutar borokarbidnih superprovodnika, a rad sam dovršio za vrijeme studijskih boravaka u Ames National Laboratory, Iowa, USA, tokom decembra 1996. i aprila 1997. godine. Dva rada, koja su proizašla tokom boravaka u Ajovi, su naišli na veoma dobar prijem kod međunarodne naučne javnosti i citirani su preko 100 puta. Na poziv profesora Kenza Mije u periodu jun 1997 – jun 1998 godine sam boravio na Univerzitetu u Tokiju, u zvanju *lecturer*. Nakon povratka iz Japana, boravio sam dva mjeseca na Oak Ridge National Laboratory, Tennessee, USA kod profesora D. K. Christena. Tamo sam dovršio rad na temu „Flux lattice symmetry in V3Si: Nonlocal effects in a high-kappa superconductor” koji je po ocjeni Editora zavrijedio da se predstavi u Physical Review Focus (izdanje od 24. juna 1999. godine). Nakon povratka iz USA radio sam na Institutu za Fiziku u Zemunu u zvanju naučni saradnik. Na Univerzitet Crne Gore sam se vratio u ljeto 1999. godine. U zvanje vanredni profesor za predmet Kvantna fizika sam izabran 2001. godine. Na konkursu Japanskog društva za promociju nauke sam dobio postdoktorsku stipendiju koja mi je omogućila boravak na Univerzitetu u Okajami kod profesora Kazušige Mačide u periodu 2001-2003. Za vrijeme specijalizacije sam uspio da razvijem posebnu metodu za numeričko rješavanje mikroskopskih jednačina superprovodnosti koja je omogućila mnogo lakšu analizu velikog broja problema koji se tiču termodinamičkih i transportnih osobina superprovodnika.

Plodnu saradnju sa Univerzitetom u Okajami sam nastavio i nakon povratka na Univerzitet Crne Gore.

Nakon povratka iz Japana sam se, pored nauke i nastave, posvetio i drugim aktivnostima. U periodu 2004-2006 godine sam bio predsjednik Društva fizičara Srbije i Crne Gore. U oktobru 2006. godine sam izabran u zvanje redovni profesor. Vijeće Prirodno-matematičkog fakulteta me je izabralo za člana Nastavno-naučnog vijeća, odnosno Senata Univerziteta 2003 godine. Bio sam član Nacionalnog savjeta za naučno-istraživačku djelatnost. Od marta 2007 do avgusta 2008 godine obavljao sam funkciju prorektora za nastavu na Univerzitetu Crne Gore. U periodu 2008-2014 bio sam rektor Univerziteta Crne Gore. Za vanrednog člana Crnogorske akademije nauka i umjetnosti izabran sam u decembru 2008.

#### Školovanje:

1986-1990 BSc Fizika, Univerzitet Crne Gore, Prirodno-matematički fakultet

1990-1993 MSc Fizika, Univerzitet u Beogradu, Fizički fakultet

1993-1996 PhD Fizika, Univerzitet u Beogradu, Fizički fakultet

Doktorska disertacija *Magneto-elastični efekti u anizotropnim superprovodnicima*

Mentor: Ljiljana-Dobrosavljević-Grujić

#### Profesionalne pozicije:

1996-2001 Docent na Univerzitetu Crne Gore

1997-1998 Lecturer na Univerzitetu u Tokiju, Japan

1997-1999 Naučni saradnik, Institut za Fiziku, Zemun, Srbija

2001-2003 Stipendista Japanskog društva za promociju nauke na Univerzitetu u Okayami, Japan

2006- Redovni profesor na Univerzitetu Crne Gore

2004-2006 Predsjednik Društva fizičara Srbije i Crne Gore

2003- 2014 Član Senata Univerziteta Crne Gore

2007- 2008 Prorektor za nastavu Univerziteta Crne Gore

2007- 2010 Član Nacionalnog savjeta za naučno-istraživačku djelatnost.

2008- 2014 Rektor Univerziteta Crne Gore

2008- 2018 Vanredni član CANU

2018 - Redovni član CANU

#### Nagrade i stipendije:

- Plaketa Univerziteta Crne Gore kao najbolji diplomirani student Univerziteta za školsku 1989/90.
- Nagrada CANU iz fonda Petra Vukčevića za uspjeh u istraživačkom radu u periodu 1993-1995.

- **Postdoktorska stipendija stipendija Japanskog društva za promociju nauke za period 2001-2003**

#### Studijski boravci:

1996 (Decembar)	Ames National Laboratory, Ames, Iowa, USA (prof. V. G. Kogan)
1997 (April)	Ames National Laboratory, Ames, Iowa, USA (prof. V. G. Kogan)
1997-1998	Faculty of engineering, University of Tokio, Japan (prof. K. Miya)
1998 (Avgust)	Oak Ridge National Laboratory, Tennessee, USA (prof. D. K. Christen)
2001-2003	Department of Physics, Okayama University, Japan, (prof. K. Machida)
2004 (Januar)	Department of Physics, Okayama University, Japan, (prof. K. Machida)
2006 (Januar)	Department of Physics, Okayama University, Japan, (prof. K. Machida)
2007 (Januar)	Department of Physics, Okayama University, Japan, (prof. K. Machida)
2008 (Januar)	Department of Physics, Okayama University, Japan, (prof. K. Machida)

#### Publikacije:

Koautor sam u 40 radova objavljenih u renomiranim naučnim časopisima (koji su na SCI listi) kao što su časopisi Američkog fizičkog društva (Physical Review Letters, Physical Review B) i Japanskog fizičkog društva (Journal of Physical Society of Japan).

#### **Spisak radova**

1. Title: Zero bias conductance in d-wave superconductor/ferromagnet/d-wave superconductor trilayers

Author(s): Popović, Z.; Miranović, P.; Zikic R.

Source: PHYSICA STATUS SOLIDI B Volume: Issue: Article Number: 1700554

Published: 2018

2. Title: Anisotropy of spin polarized transport in ferromagnet/d-wave superconductor bilayer: Role of small exchange field

Author(s): Popović, Z.; Miranović, P.

Source: PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS Volume Issue:

Article Number:

To Be Published: 2018

3. Title: Generic first order orientation transition of vortex lattice in type II superconductors

Author(s): Suzuki, M. Kenta; Inoue, Kenji; Miranović, Predrag; Ichioka, Masanori; Machida, Kazushige

Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 79 Issue: 1 Article Number: 013702

Published: 2010

4. Title: Field-angle-dependent specific heat measurements and gap determination of a heavy fermion superconductor URu<sub>2</sub>Si<sub>2</sub>

Author(s): Yano, K.; Sakakibara, T.; Tayama, T.; Yokoyama, M.; Amitsuka, H.;

Homma, Y.; Miranović, P.; Ichioka, M.; Tsutsumi, Y.; Machida, K.

Source: PHYSICAL REVIEW LETTERS Volume: 1 Issue: 1 Article Number: 017004  
Published: 2008

5. Title: Low energy excitations in the mixed state of the anisotropic s-wave superconductor CeRu2

Author(s): Yamada, Atsushi; Sakakibara, Toshiro; Custers, Jeroen; Hedo, Masato; Ōnuki, Yoshichika; Miranović, Predrag; Machida, Kazushige

Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 76 Issue: 12 Article Number: 123704 Published: 2007

6. Title: Electronic thermal conductivity in a superconducting vortex state

Author(s): Adachi, H.; Miranovic, P.; Ichioka, M.; Machida, K.

Source: PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 463  
Pages: 36-39 Published: 2007

7. Title: Quasiclassical calculation of the quasiparticle thermal conductivity in a mixed state

Author(s): Adachi, Hiroto; Miranović, Predrag; Ichioka, Masanori; Machida, Kazushige

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 310 Issue: 2  
Pages: 640-642 Part: Part 1 Published: 2007

8. Title: Quasi-classical calculation of the mixed-state thermal conductivity in s- and d-wave superconductors

Author(s): Adachi, Hiroto; Miranović, Predrag; Ichioka, Masanori; Machida, Kazushige

Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 76 Issue: 6 Article Number: 064708 Published: 2007

9. Title: Effect of field-dependent core size on reversible magnetization of high-kappa superconductors

Author(s): Kogan, V. G.; Prozorov, R.; Bud'Ko, S. L.; Canfield, P. C.; Thompson, J. R.; Karpinski, J.; Zhigadlo, N. D.; Miranović, P.

Source: PHYSICAL REVIEW B Volume: 74 Issue: 18 Article Number: 184521 Published: 2006

10. Title: Ubiquitous V-shape density of states in a mixed state of clean limit type II superconductors

Author(s): Nakai, N.; Miranović, P.; Ichioka, M.; Hess, H. F.; Uchiyama, K.;

Nishimori, H.; Kaneko, S.; Nishida, N.; Machida, K.

Source: PHYSICAL REVIEW LETTERS Volume: 97 Issue: 14 Article Number: 147001  
Published: 2006

11. Title: Basal-plane magnetic anisotropies of high-k d-wave superconductors in a mixed state: A quasiclassical approach

Author(s): Adachi, Hiroto; Miranović, Predrag; Ichioka, Masanori; Machida, Kazushige

Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 75 Issue: 8 Article Number: 084716 Published: 2006

12. Title: Specific heat and low-lying excitations in the mixed state for a type-II superconductor

Author(s): Nakai, N.; Miranović, P.; Ichioka, M.; Machida, K.

Source: PHYSICAL REVIEW B Volume: 73 Issue: 17 Article Number: 172501 Published: 2006

13. Title: Theory of gap-node detection by angle-resolved specific heat measurement

Author(s): Miranovic, P.; Ichioka, M.; Machida, K.; Nakai, N.

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 17 Issue: 50 Pages: 7971-7980 Published: 2005

14. Title: Theoretical study on the field dependence of the zero energy density of states in an anisotropic gap superconductors

Author(s): Nakai, N.; Miranović, P.; Ichioka, M.; Machida, K.

Source: JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS Volume: 66 Issue: 8-9 Pages: 1362-1364 Published: 2005

15. Title: Field-angle-dependent specific heat in the unconventional heavy-fermion superconductor CeCoIn<sub>5</sub>

Author(s): Aoki, H.; Sakakibara, T.; Shishido, H.; Settai, R.; Ōnuki, Y.; Miranović, P.; Machida, K.

Source: PHYSICA B-CONDENSED MATTER Volume: 359 Pages: 410-412 Published: 2005

16. Title: Anisotropic diamagnetic response in type-II superconductors with gap and Fermi-surface anisotropies

Author(s): Adachi, H.; Miranović, P.; Ichioka, M.; Machida, K.

Source: PHYSICAL REVIEW LETTERS Volume: 94 Issue: 6 Article Number: 067007 Published: 2005

17. Title: Electronic state around vortex in a two-band superconductor

Author(s): Ichioka, Masanori; Machida, Kazushige; Nakai, Noriyuki; Miranović, Predrag

Source: PHYSICAL REVIEW B Volume: 70 Issue: 14 Article Number: 144508 Published: 2004

18. Title: Field dependence of the zero-energy density of states around vortices in an anisotropic-gap superconductor

Author(s): Nakai, N.; Miranović, P.; Ichioka, M.; Machida, K.

Source: PHYSICAL REVIEW B Volume: 70 Issue: 10 Article Number: 100503 Published: 2004

19. Title: Effects of nonmagnetic scatterers on the local density of states around a vortex in s-wave superconductors

Author(s): Miranović, P.; Ichioka, M.; Machida, K.

Source: PHYSICAL REVIEW B Volume: 70 Issue: 10 Article Number: 104510 Published: 2004

20. Title: Field-angle dependence of the zero-energy density of states in the unconventional heavy-fermion superconductor CeCoIn<sub>5</sub>

Author(s): Aoki, H.; Sakakibara, T.; Shishido, H.; Settai, R.; Onuki, Y.; Miranović, P.; Machida, K.

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 16 Issue: 3 Pages: L13-L19 Published: 2004

21. Title: Low temperature specific heat in anisotropic superconductors

Author(s): Dobrosavljević-Grujić, L.; Miranović, P.

Source: PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 397 Issue: 3-4 Pages: 117-122 Published: 2003

22. Title: Orientational field dependence of low-lying excitations in the mixed state of unconventional superconductors

Author(s): Miranović, P.; Nakai, N.; Ichioka, M.; Machida, K.



- Source: PHYSICAL REVIEW B Volume: 68 Issue: 5 Article Number: 052501 Published: 2003
23. Title: Microscopic study of low-kappa type-II superconductors  
Author(s): Miranović, P.; Nakai, N.; Ichioka, M.; Machida, K.  
Source: PHYSICA B-CONDENSED MATTER Volume: 329 Pages: 1382-1383 Part: Part 2  
Published: 2003
24. Title: Theoretical study on vortex lattices in tetragonal superconductors  
Author(s): Nakai, Noriyuki; Miranović, Predrag; Ichioka, Masanori; Machida, Kazushige  
Source: PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 388  
Pages: 677-678 Published: 2003
25. Title: Thermodynamics and magnetic field profiles in low-kappa type-II superconductors  
Author(s): Miranović, P.; Machida, K.  
Source: PHYSICAL REVIEW B Volume: 67 Issue: 9 Article Number: 092506 Published: 2003
26. Title: Theoretical studies on vortices in unconventional and conventional superconductors  
Author(s): Machida K, Ichioka M, Miranovic P, et al.  
Source: ACTA PHYSICA POLONICA B Volume: 34 Issue: 2 Pages: 545-548 Published: 2003
27. Title: Anisotropy of the upper critical field in superconductors with anisotropic gaps: Anisotropy parameters of MgB2  
Author(s): Miranović, Predrag; Machida, Kazushige; Kogan, Vladimir G.  
Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN Volume: 72 Issue: 2 Pages: 221-224 Published: 2003
28. Title: Anisotropy of the superconducting state properties and phase diagram of MgB2 by torque magnetometry on single crystals  
Author(s): Angst, M.; Puzniak, R.; Wisniewski, A.; Roos, J.; Keller, H.; Miranović, P.; Jun, J.; Kazakov, S. M.; Karpinski, J.  
Source: PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 385 Issue: 1-2 Pages: 143-153 Published: 2003
29. Title: Reentrant vortex lattice transformation in fourfold symmetric superconductors  
Author(s): Nakai, N.; Miranović, P.; Ichioka, M.; Machida, K.  
Source: PHYSICAL REVIEW LETTERS Volume: 89 Issue: 23 Article Number: 237004  
Published: 2002
30. Title: Elastic moduli of vortex lattices within nonlocal London model  
Author(s): Miranović, P.; Kogan, V. G.  
Source: PHYSICAL REVIEW LETTERS Volume: 87 Issue: 13 Article Number: 137002  
Published: 2001
31. Title: Nonlocal effects in angular dependence of in-plane magnetization of tetragonal superconductors  
Author(s): Kogan, V. G.; Bud'ko, S. L.; Canfield, P. C.; Miranović, P.  
Source: PHYSICAL REVIEW B Volume: 60 Issue: 18 Pages: R12577-R12580 Published: 1999
32. Title: Flux lattice symmetry in V3Si: Nonlocal effects in a high-kappa superconductor  
Author(s): Yethiraj, M.; Christen, D. K.; Paul, D. Mck.; Miranovic, P.; Thompson, J. R.

Source: PHYSICAL REVIEW LETTERS Volume: 82 Issue: 25 Pages: 5112-5115  
Published: 1999

33. Title: Irreversibility field analysis for Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> tapes by using axial probe  
Author(s): Rábara, M.; Yoshida, Y.; Takeuchi, T.; Miranović, P.; Miya, K.  
Source: PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS Volume: 305 Issue:  
3-4 Pages: 285-292 Published: 1998

34. Title: Resistivity and magnetic susceptibility of single-crystal Lu(Ni<sub>1-x</sub>Cox)<sub>2</sub>B<sub>2</sub>C (x=0.0-0.09)  
Author(s): Cheon, K. O.; Fisher, I. R.; Kogan, V. G.; Canfield, P. C.; Miranović, P.;  
Gammel, P. L.  
Source: PHYSICAL REVIEW B Volume: 58 Issue: 10 Pages: 6463-6467 Published: 1998

35. Title: Vortex lattices in cubic superconductors  
Author(s): Kogan, V. G.; Miranović, P.; Dobrosavljević-Grujić, Lj.; Pickett, W. E.;  
Christen, D. K.  
Source: PHYSICAL REVIEW LETTERS Volume: 79 Issue: 4 Pages: 741-744 Published:  
1997

36. Title: Vortex lattice transitions in borocarbides  
Author(s): Kogan, V. G.; Bullock, M.; Harmon, B.; Miranović, P.; Dobrosavljević;  
Grujić, Lj.; Gammel, P. L.; Bishop, D. J.  
Source: PHYSICAL REVIEW B Volume: 55 Issue: 14 Pages: R8693-R8696 Published:  
1997

37. Title: GINZBURG-LANDAU THEORY OF VORTEX LATTICE STRUCTURE IN  
DEFORMABLE ANISOTROPIC SUPERCONDUCTORS  
Author(s): Miranović, P.; Dobrosavljević-Grujić, Lj.; Kogan, V. G.  
Source: PHYSICAL REVIEW B Volume: 52 Issue: 17 Pages: 12852-12857 Published:  
1995

38. Title: ON THE STRAIN-INDUCED VORTEX MASS IN ANISOTROPIC  
SUPERCONDUCTORS  
Author(s): Miranović, P.; Dobrosavljević-Grujić, Lj.  
Source: PHYSICS LETTERS A Volume: 207 Issue: 3-4 Pages: 225-229 Published: 1995

39. Title: COMMENT ON THE TRANSCENDENTAL METHOD IN THE THEORY OF NEUTRON  
SLOWING-DOWN  
Author(s): Miranović, P.  
Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL Volume: 28 Issue: 14  
Pages: 4189-4190 Published: 1995

40. Title: VORTEX-INDUCED STRAIN AND FLUX LATTICES IN ANISOTROPIC  
SUPERCONDUCTORS  
Author(s): Kogan, V. G.; Bulaevskii, L. N.; Miranović, P.; Dobrosavljević-Grujić, L.  
Source: PHYSICAL REVIEW B Volume: 51 Issue: 21 Pages: 15344-15350 Published:  
1995

#### **Ostala stručna aktivnost:**

**Recenzent za časopise Physical Review Letters i Physical Review B.**

Lista aktivnosti kao recenzenta Američkog fizičkog društva:

## Summary of papers sent from 2003 to 2008 to Dr. Miranovic (541154) to referee

Here is information on the papers that the American Physical Society asked you to review from 2003 to 2008 as translated from our database. Listed are the following: manuscript code at the time of the referral, the journal that asked you to review the paper, the date the referral was sent (via post or email), the date we officially received your report or response, the current title (possibly truncated) in TeX format (some characters may not display correctly), the current authors in TeX format (possibly truncated), your response as categorized by our internal conventions (possibly not reflecting the entirety of what you actually told us), and the current manuscript status, including the current journal and section type (if not published).

1. **BH10870** Journal: PRB Date of referral: 28Aug07 Date of response: 23Sep07  
**Contribution of the surface dipole to deformation of superconductors**  
*Lipavsk\{y}, Pavel/Morawetz, Klaus/Kol\{a}\v{c}ek, Jan/Brandt, Ernst Helmut/Schreiber, Michael/*  
Response from referee: Report received  
Current manuscript status: Published as PRB 77, 014506 (15 January 2008)
2. **BD10707** Journal: PRB Date of referral: 18May07 Date of response: 21May07  
**Phenomenological theory of spin excitations in La- and Y-based cuprates**  
*Zhou, Tao/Wang, Z.D./*  
Response from referee: Too busy. Not referee's field  
Current manuscript status: Published as PRB 76, 094510 (13 September 2007)
3. **LT10029B** Journal: PRB Date of referral: 20Feb07 Date of response: 06Mar07  
**Gapless Fermi surfaces in superconducting CeCoIn<sub>5</sub>**  
*Barzykin, Victor/Gor'kov, L.P./*  
Response from referee: Report received  
Current manuscript status: Published as PRB 76, 014509 (18 July 2007)
4. **BVR1037** Journal: PRB Date of referral: 23Aug06 Date of response: 28Aug06  
**No-loss migration of preformed bosons at  $T > T_c$  in high-temperature superconductors**  
*Kawabata, K./*  
Response from referee: Not referee's field  
Current manuscript status: No longer under consideration (PRB Brief Report)
5. **BQR1033** Journal: PRB Date of referral: 28Jun06 Date of response: 24Jul06  
**Fermi-liquid effects in the Fulde-Ferrell-Larkin-Ovchinnikov state of two-dimensional  $d$ -wave superconductors**  
*Vorontsov, Anton B./Graf, Matthias J./*  
Response from referee: Report received  
Current manuscript status: Published as PRB 74, 172504 (14 November 2006)
6. **LP10703** Journal: PRL Date of referral: 29Mar06 Date of response: 03Apr06  
**Phase diagram of heavy fermion metal CeCoIn<sub>5</sub>**

- Shaginyan, V.R./Msezane, A.Z./Stephanovich, V.A./Kirichenko, E.V./*  
 Response from referee: Too busy  
 Current manuscript status: No longer under consideration (PRL)
7. **LK10814** Journal: PRL Date of referral: 13Feb06 Date of response: 22Feb06  
**Thin Ohmic or superconducting strip with an applied ac electric current**  
*Brandt, Ernst Helmut/*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 73, 092511 \(23 March 2006\)](#)
8. **LE10603** Journal: PRL Date of referral: 07Dec05 Date of response: 23Dec05  
**Exotic pairing instability in heavy fermion superconductor CeCoIn<sub>5</sub>**  
*Busmann-Holder, A./Simon, A./Bishop, A.R./*  
 Response from referee: Report received  
 Current manuscript status: No longer under consideration (PRL)
9. **LH10288** Journal: PRL Date of referral: 16Aug05 Date of response: 29Aug05  
**Curie law, entropy excess, and superconductivity in heavy fermion metals and other strongly interacting Fermi liquids**  
*Khodel, V.A./Zverev, M.V./Yakovenko, Victor M./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRL 95, 236402 \(29 November 2005\)](#)
10. **BB10155** Journal: PRB Date of referral: 01Apr05 Date of response: 14Apr05  
**Anisotropic superconducting strip in an oblique magnetic field**  
*Brandt, E.H./Mikitik, G.P./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 72, 024516 \(12 July 2005\)](#)
11. **BB10155** Journal: PRB Date of referral: 14Feb05 Date of response: 02Mar05  
**Anisotropic superconducting strip in an oblique magnetic field**  
*Brandt, E.H./Mikitik, G.P./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 72, 024516 \(12 July 2005\)](#)
12. **BZ9316** Journal: PRB Date of referral: 03Jan05 Date of response: 20Jan05  
**Field-angle-resolved specific heat and thermal conductivity in the vortex phase of UPd<sub>2</sub>Al<sub>3</sub>**  
*Thalmeier, P./Watanabe, T./Izawa, K./Matsuda, Y./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 72, 024539 \(26 July 2005\)](#)
13. **BYJ920** Journal: PRB Date of referral: 30Nov04 Date of response: 08Dec04  
**Zeeman splitting effects in the phase diagram of multiple-band superconductors**  
*Dias, R.G./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 72, 012505 \(14 July 2005\)](#)
14. **BU9168** Journal: PRB Date of referral: 05Nov04 Date of response: 11Nov04  
**Effects of Fermi surface and superconducting gap structure in field-**

- rotational experiments: A possible explanation for the cusplike singularity in  $\text{YNi}_2\text{B}_2\text{C}$**   
*Udagawa, Masafumi/Yanase, Youichi/Ogata, Masao/*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 71, 024511 \(21 January 2005\)](#)
15. **BU9168** Journal: PRB Date of referral: 16Oct04 Date of response: 01Nov04  
**Effects of Fermi surface and superconducting gap structure in field-rotational experiments: A possible explanation for the cusplike singularity in  $\text{YNi}_2\text{B}_2\text{C}$**   
*Udagawa, Masafumi/Yanase, Youichi/Ogata, Masao/*  
 Response from referee: Declined to review or didn't receive referral  
 Current manuscript status: Published as [PRB 71, 024511 \(21 January 2005\)](#)
16. **LM9096BJ** Journal: PRB Date of referral: 23Sep04 Date of response: 05Oct04  
**Thermodynamics of  $\text{MgB}_2$  described by the weak-coupling two-band BCS model**  
*Mishonov, Todor M./Pokrovsky, Valery L./Wei, Hongduo/*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 71, 012514 \(31 January 2005\)](#)
17. **BT9026** Journal: PRB Date of referral: 24Aug04 Date of response: 06Sep04  
**Field distribution of a vortex in  $d$ -wave superconductors: Quasiclassical approach versus generalized London equation**  
*Laiho, R./Lahderanta, E./Safonchik, M./Traito, K.B./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 71, 024521 \(27 January 2005\)](#)
18. **BU9168** Journal: PRB Date of referral: 11Aug04 Date of response: 06Sep04  
**Effects of Fermi surface and superconducting gap structure in field-rotational experiments: A possible explanation for the cusplike singularity in  $\text{YNi}_2\text{B}_2\text{C}$**   
*Udagawa, Masafumi/Yanase, Youichi/Ogata, Masao/*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 71, 024511 \(21 January 2005\)](#)
19. **LR9599** Journal: PRL Date of referral: 25Jun04 Date of response: 13Jul04  
 **$\mu_0 H_{c2}$  calculations of  $H_{c2}$  for Nb,  $\text{NbSe}_2$ , and  $\text{MgB}_2$**   
*Arai, Masao/Kita, Takafumi/*  
 Response from referee: Report received  
 Current manuscript status: No longer under consideration (PRL)
20. **BT9026** Journal: PRB Date of referral: 10Jun04 Date of response: 18Jun04  
**Field distribution of a vortex in  $d$ -wave superconductors: Quasiclassical approach versus generalized London equation**  
*Laiho, R./Lahderanta, E./Safonchik, M./Traito, K.B./*  
 Response from referee: Report received  
 Current manuscript status: Published as [PRB 71, 024521 \(27 January 2005\)](#)
21. **LR9599** Journal: PRL Date of referral: 07May04 Date of response: 16May04  
 **$\mu_0 H_{c2}$  calculations of  $H_{c2}$  for Nb,  $\text{NbSe}_2$ , and  $\text{MgB}_2$**

*Arai, Masao/Kita, Takafumi/*

Response from referee: Report received

Current manuscript status: No longer under consideration (PRL)

22. **BN8950** Journal: PRB Date of referral: 29Apr04 Date of response: 12May04

**Quasiclassical theory of superconducting states under magnetic fields: Thermodynamic properties**

*Kusunose, Hiroaki/*

Response from referee: Report received

Current manuscript status: Published as PRB 70, 054509 (10 August 2004)

23. **BN8950** Journal: PRB Date of referral: 26Jan04 Date of response: 18Feb04

**Quasiclassical theory of superconducting states under magnetic fields: Thermodynamic properties**

*Kusunose, Hiroaki/*

Response from referee: Report received

Current manuscript status: Published as PRB 70, 054509 (10 August 2004)

24. **BG9092** Journal: PRB Date of referral: 23Oct03 Date of response: 07Nov03

**Mechanism of vortex escape from extended linear defects in the three-dimensional anisotropic superconductor**

*Kasatkin, A.L./Rhee, J.Y./Lee, Y.P./*

Response from referee: Report received

Current manuscript status: No longer under consideration (PRB regular article)

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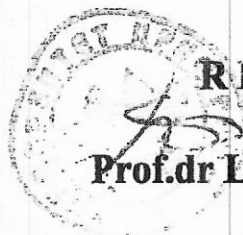
Број: 01-3379  
Датум, 23.11.2006 г.

Ref: \_\_\_\_\_  
Date, \_\_\_\_\_

Na osnovu člana 75 stav 2 Zakona o visokom obrazovanju (Sl.list RCG br. 60/03.) i člana 18 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore, na sjednici održanoj 23.11.2006. godine, donio je

## **ODLUKU O IZBORU U ZVANJE**

**Dr PREDRAG MIRANOVIĆ** bira se u akademsko zvanje **redovni profesor** Univerziteta Crne Gore za predmet **Kvantna fizika** na **Prirodno-matematičkom fakultetu u Podgorici**.



**REKTOR,**

**Prof.dr Ljubiša Stanković**