

Životopis

NZZ obrazac



OSOBNİ PODATCI

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*^{2,3} Molimo po potrebi dodajte redove kako biste unijeli sve podatke
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2

USAVRŠAVANJE

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Godina 1988-1990
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 Područje Nuklearna fizika

JEZICI**MATERINSKI JEZIK Hrvatski****ENGLESKI JEZIK**

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DRUGI STRANI JEZICI³

Jezik **Francuski**
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Jezik **Njemački**
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 Piše ne
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ZNANSTVENI I DRUGI PROJEKTI

(KRONOLOŠKI; VOĐENJE I SUDJELOVANJE; IZVOR FINANCIRANJA)

MZOŠ projekt Niskodimenzionalni vodljivi sustavi i primjene - suradnik

MZOŠ projekt IT Referalni centarNAG - voditelj

Europska komisija, projekt FP7 #229390 "Strengthening the SOLid state research capacities in Zagreb by the introduction of the Nuclear Magnetic Resonance method – SOLeNeMaR", 2009.-2012. - suradnik

HRZZ projekt IP-2018-01-7828 "Sulfasoli: nova generacija kompleksnih funkcionalnih materijala" - voditelj 2018.-2022.

HRZZ projekt IP-2022-10-3382 "Funkcionalni kompleksni materijali: elektronski podsustavi i valne funkcije" - suradnik 2023.-2027.

NASTAVNA DJELATNOST

(KRONOLOŠKI; PREDDIPLOMSKA, DODIPLOMSKA, DIPLOMSKA, POSLIJEDIPLOMSKA NASTAVA)

Matematičke metode fizike (1992-2011, integrirani diplomski studij fizike, istraživački smjer, 2. god.)

Statistička fizika (2001-2024, integrirani diplomski studij fizike, istraživački smjer, 3. god.)

Kvantne tekućine (2009-2024, integrirani diplomski studij fizike, istraživački smjer, 5. god.)

Napredna kvantna fizika (2012-2024, integrirani diplomski studij fizike, istraživački smjer, 4. god.)

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MENTORSTVO OBRANJENIH ZAVRŠNIH I DIPLOMSKIH RADOVA I DOKTORSKIH DISERTACIJA

(KRONOLOŠKI)

Voditelj završnog seminara:

Marina Katava, Difuzija receptora na membrani, Završni seminar, Biološki odsjek PMF-a, 2009.

Voditelj diplomskog rada:

1. P. Lazić. Ustakljivanje u Isingovom modelu s pomičnim nečistoćama. Diplomski rad, 1999.
2. E. Čavar. Simulacija kvantnog faznog prijelaza na neuredjenoj rešetci. Diplomski rad, 1999.
3. M. Čulo. Supratekući helij. Diplomski rad, 2008.
4. G. Nikšić. Supravodljivi procjep u ravninama bakrenog oksida. Diplomski rad, 2008.
5. Ž. Tomičić. Fizikalni procesi u otporu. Diplomski rad, 2014.
6. Dubravko Županić, Valne funkcije identičnih čestica, 2020.
7. Katarina Rožman, Dvočestične valne funkcije harmoničkog oscilatora, 2019.
8. Grgur Palle, Fizikalna ograničenja Hohenberg–Mermin–Wagnerovog argumenta, 2020.
9. Mislav Nebl, Fermijeve površine kuprata u modelu četiri vrpce, 2023.
10. Frana Polović, Elektron između nečistoće i vodljive vrpce, 2024.
11. Tin Vranić, Murunskit u modelu čvrste veze, 2024.

Voditelj doktrata:

G. Nikšić. Magnetska i nabojna uređenja u kupratnim supravodičima. Doktorat, 2015.

GOSTOVANJE NA STRANIM ZNANSTVENIM USTANOVAMA

(KRONOLOŠKI; BORAVCI DUŽI OD 3 MJESECA)

NAGRADE I PRIZNANJA

(KRONOLOŠKI)

Studentsko godišnje priznanje jednom nastavniku Fizičkog odsjeka, 2008. i 2009.

DUŽNOSTI

(KRONOLOŠKI; DOMAĆI I MEĐUNARODNI)

Prodekan za međunarodnu suradnju PMF-a 2002.-2004.
 Predstojnik Zavoda za teorijsku fiziku Fizičkog Odsjeka PMF-a 2009.-2011.
 Pročelnik Fizičkog Odsjeka PMF-a 2010.-2012.
 Predstojnik Zavoda za teorijsku fiziku kondenzirane tvari FO PMF-a 2016.-2020.
 Voditelj smjera kondenzirane tvari na doktorskom studiju Fizika PMF-a, 2017.-2024.

ORGANIZACIJSKE VJEŠTINE I KOMPETENCIJE

(KRONOLOŠKI; ORGANIZACIJA DOMAĆIH I MEĐUNARODNIH ZNANSTVENIH DOGAĐANJA)

- kao prodekan PMF-a za međunarodnu suradnju organizirao međunarodni susret Chile-Croatia Scientific Contact Days 2003.
- član organizacijskog odbora konferencije Middle European Cooperation in Statistical Physics – MECO 31, Primošten, 2006.
- predsjednik organizacijskog odbora konferencija Recent advances in broad-band solid-state NMR of correlated electronic systems, Trogir 2010. i 2011.
- supredsjedatelj međunarodne konferencije Physics of low-dimensional conductors - problems and perspectives, Zagreb, 25.-28. ožujka 2012.

ČLANSTVA U ZNANSTVENIM ORGANIZACIJAMA I TIJELIMA

(KRONOLOŠKI; DOMAĆE I MEĐUNARODNE ORGANIZACIJE I TIJELA)

Hrvatsko fizikalno društvo 1990.-2021. (tajnik 1990.-1992., predsjednik 2016.-2018), American Physical Society od 2014., Hrvatsko fizičko društvo od 2024.

POVJERENSTVA, ODBORI I RADNE SKUPINE

(KRONOLOŠKI; DOMAĆI I MEĐUNARODNI)

Član povjerenstva za preustroj Sveučilišta u Zagrebu 2002.-2006.

Predsjednik Povjerenstva rektorskog zbora za formaciju srednjoškolskih profesora 2004.-2006.

Član Vijeća prirodnoslovnog područja Sveučilišta u Zagrebu 2007.-2014.

Član Povjerenstva za sveučilišno-nastavnu literaturu Sveučilišta u Zagrebu 2008.-2024.

Časopisi:

- [56] Davor Tolj, Priyanka Reddy, Ivica Živković, Luka Akšamović, Jian Rui Soh, Kamila Komędera, Izabela Biało, Naveen Kumar Chogondahalli Muniraju, Trpimir Ivšić, Mario Novak, Oksana Zaharko, Clemens Ritter, Thomas LaGrange, Wojciech Tabiś, Ivo Batistić, László Forró, Henrik M. Rønnow, Denis K. Sunko, Neven Barišić, "High-Entropy Magnetism of Murunskite". In: *Advanced Functional Materials* 2500099 (2025). DOI:10.1002/adfm.202500099.
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- [49] Grgur Palle and D. K. Sunko. "Physical limitations of the Hohenberg-Mermin-Wagner theorem". In: *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL* 54.31 (2021). ISSN: 1751-8113. DOI: 10.1088/1751-8121/ac0a9d.
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POZNAVANJE RADA NA RAČUNALU

Fortran, C, C++, Python, Sage, Maple, Mathematica

OSTALE VAŽNE VJEŠTINE I KOMPETENCIJE

DODATNI PODATCI I NAPOMENE

