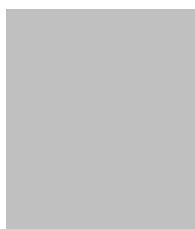


## LIČNE INFORMACIJE



📍 Mliništa 27 b, 71000 Sarajevo, BiH  
📞 +387 33 27 98 93 📲 +387 62 22 52 80  
✉️ e.hasovic@pmf.unsa.ba  
🌐 <http://www.pmf.unsa.ba/fizika/index.php/bs/clanovi-odsjeka-za-fiziku/82-o-nama/clanovi-odsjeka/162-elvedin-hasovic>

Pol muški | Datum rođenja 20.05.1980. | Državljanstvo BiH

## RADNO ISKUSTVO

Maj 2017 – danas

Vanredni profesor za oblast "Teorijska fizika"

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Juli 2013 – Maj 2017

Docent za oblast "Teorijska fizika"

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Februar 2011 – Juli 2013

Viši asistent za oblast "Teorijska fizika"

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Oktobar 2005 – Februar 2011

Asistent za oblast "Teorijska fizika"

Prirodno-matematicki fakultet Univerziteta u Sarajevu

## OBRAZOVANJE I OBUKE

2013

Doktor fizičkih nauka

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Doktorska disertacija: "Jonizacija iznad praga poliatomskih molekula u okviru aproksimacije jakog polja"

2010

Magistar fizičkih nauka

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Magisterski rad: "Jonizacija pomoću ultrakratkog laserskog pulsa"

Diplomirani fizičar

Prirodno-matematicki fakultet Univerziteta u Sarajevu

Septembar 2000 – Decembar 2004

## LIČNE VJEŠTINE

Maternji jezik

Bosanski

Drugi jezik/ci

RAZUMJEVANJE

GOVOR

PISANJE

Slušanje

Čitanje

Usmena interakcija

Usmeno izražavanje

engleski

B2

B2

B2

B2

B2

njemački

C1

C1

C1

C1

C1

Goethe C1 certifikat (99 bodova)

Komunikacione vještine

Odlične komunikacijske vještine stečene u radu sa učenicima i studentima

## Organizacione / upravljačke vještine

- Predsjedavajući Odbora za upravljanje kvalitetom Univerziteta u Sarajevu
- Prodekan za nastavu i naučno-istraživački rad Prirodno-matematičkog fakulteta
- Šef Odsjeka za fiziku Prirodno-matematičkog fakulteta
- Predsjedavajući Odbora za osiguranje kvaliteta Prirodno-matematičkog fakulteta
- Voditelj III ciklusa studija na Odsjeku za fiziku
- Član organizacionog odbora naučnog skupa „*The 20th International Laser Physics Workshop*“

## Poslovne vještine

- Poznavanje sistema osiguranja i upravljanja kvalitetom u visokom obrazovanju

## Digitalne vještine

## SAMOPROCJENA

Obrada informacija	Komunikacija	Stvaranje sadržaja	Bezbjednost	Rješavanje problema
Napredna upotreba	Napredna upotreba	Samostalna upotreba	Napredna upotreba	Samostalna upotreba

- dobro vladanje Office paketom i Latex alatom za obradu teksta
- poznavanje programskih jezika FORTRAN i C
- poznavanje softverskih paketa MATLAB i Mathematica
- poznavanje softverskih paketa za kvantno-hemijske proračuna GAMESS i Q-Chem

## Vozачka dozvola

B kategorija

## DODATNE INFORMACIJE



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39. A. Gazibegović-Busuladžić, M. Busuladžić, E. Hasović, W. Becker, D.B. Milošević, *Strong-field ionization of linear molecules by a bicircular laser field: Symmetry considerations*, Physical Review A **97** (4), 043432 (2018).
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44. A .Gazibegović-Busuladžić, M. Busuladžić, A. Čerkić, E. Hasović, W. Becker, D.B. Milošević, *Strong-Field Ionization of Linear Molecules by a Bichromatic Elliptically Polarized Laser Field with Coplanar Counterrotating or Corotating Components of Different Frequencies*, Journal of Physics: Conference Series **1206** (1), 012003 (2019).
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46. A. Jašarević, E. Hasović, R. Kopold, W. Becker, D.B. Milošević, *Application of the saddle-point method to strong-laser-filed ionization*, Journal of Physics A: Mathematical and Theoretical, **53** (12), 125201 (2020).

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2. D. B. Milošević, E. Hasović, M. Busuladžić, A. Gazibegović-Busuladžić, A. Čerkić, and W. Becker, *Simulation of the above-threshold ionization and detachment experiments using the strong-field approximation*, 15th International Laser Physics Workshop (LPHYS'06), Lausanne, Switzerland, July 24–28, 2.7.1, p. 107 (2006).
3. E. Hasović, D. B. Milošević, G. G. Paulus, and W. Becker, *Above-threshold ionization by few-cycle laser pulses: methods for the carrier-envelope phase control*, 15th International Laser Physics Workshop (LPHYS'06), Lausanne, Switzerland, July 24–28, P.2.5, p. 144 (2006).
4. E. Hasović and D. B. Milošević, *Simulation of above-threshold ionization experiments with noble gases using the strong-field approximation*, 14th Central European Workshop on Quantum Optics (CEWQO2007), Palermo, Italy, June 1–5, p. 43 (2007).
5. A. Kramo, E. Hasović, D. B. Milošević, and W. Becker, *Above-threshold detachment of electrons from negative ions by a two-color bicircular laser field*, 14th Central European Workshop on Quantum Optics (CEWQO 2007), Palermo, Italy, June 1–5, p. 50 (2007).
6. D. B. Milošević, E. Hasović, M. Busuladžić, A. Gazibegović-Busuladžić, and W. Becker, *Enhancements in high-order above-threshold ionization*, Time Dependent Phenomena in Quantum Mechanics, Blaubeuren, Germany, September 12–16 (2007).
7. D. B. Milošević, E. Hasović, M. Busuladžić, A. Gazibegović-Busuladžić, and W. Becker, *High-order above-threshold ionization of atoms and molecules*, 402nd Wilhelm und Else Heraeus Seminar, Novel light sources and applications, Obergurgl, Austria, February 2–9 (2008).
8. E. Hasović, D. B. Milošević, and W. Becker, *SFA simulation of above threshold ionization of rare gases by few-cycle laser fields*, 17th International Laser Physics Workshop (LPHYS'08), Trondheim, Norway, June 30–July 4, p. 160 (2008).
9. D. B. Milošević, E. Hasović, S. Odžak, M. Busuladžić, A. Gazibegović- Busuladžić, and W. Becker, *New results in above-threshold ionization and high-order harmonic generation of atomic and molecular systems*, 17th International Laser Physics Workshop (LPHYS'08), Trondheim, Norway, June 30–July 4, p. 109 (2008).
10. D. B. Milošević, A. Čerkić, B. Fetić, E. Hasović, and W. Becker, *Low-frequency approximation for high-order above-threshold ionization*, 18th International Laser Physics Workshop (LPHYS' 09), Barcelona, Spain, July 13-17, p. 133 (2009).
11. D. B. Milošević, A. Čerkić, B. Fetić, E. Hasović, and W. Becker, *Angle-resolved high-order above-threshold ionization spectra of inert gases in the low-frequency approximation*, Second International Conference on Attosecond Physics, Kansas State University, Manhattan, Kansas, USA, July 28 – August 1, F30, Book of Abstract, p. 73 (2009).
12. M. Busuladžić, A. Gazibegović-Busuladžić, E. Hasović, D. B. Milošević, and W. Becker, *Atoms and molecules in a strong laser field*, II International School and Conference on Photonics, Belgrade, Serbia, August 24-28, p. 64 (2009).
13. A. Čerkić, M. Busuladžić, E. Hasović, A. Gazibegović-Busuladžić, S. Odžak, and D. B. Milošević: *Ellipticity dependence of the plateau structures in different atomic and molecular processes in strong laser field*, III International School and Conference on Photonics, Belgrade, Serbia, August 29–September 02, pp. 92-93 (2011).
14. A. Čerkić, M. Busuladžić, E. Hasović, A. Gazibegović-Busuladžić, D. B. Milošević and W. Becker: *Plateau structures in laser-assisted and laser induced processes*, III International School and Conference on Photonics, Belgrade, Serbia, August 29-Sptembar 02, pp. 91-92 (2011).

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15. A. Kramo, E. Hasović, and D. B. Milošević: *The interference of the saddle-point-equation solutions for the bicircular-laser-field-induced above-threshold detachment*, 20th Laser Physics Workshop (LPHYS'11), Sarajevo, Bosnia & Herzegovina, July 11-15, S2/p.67 (2011).
16. E. Hasović, A. Gazibegović-Busuladžić, M. Busuladžić, D. B. Milošević, and W. Becker: *High-order above-threshold ionization with few-cycle laser pulses: molecular improved strong-field approximation vs. molecular low-frequency approximation*, 20th Laser Physics Workshop (LPHYS'11), Sarajevo, Bosnia & Herzegovina, July 11-15, S2/p.33 (2011).
17. E. Hasović, D. B. Milošević, M. Busuladžić, A. Gazibegović-Busuladžić, and W. Becker: *High-order above-threshold ionization of heteronuclear diatomic molecules by a strong laser field with arbitrary polarization*, 20th Laser Physics Workshop (LPHYS'11), Sarajevo, Bosnia & Herzegovina, July 11-15, S2/p.30 (2011).
18. D. Milošević, E. Hasović i A. Kramo, *Od fotoefekta do jonizacije pomoću jakog laserskog polja*, Seminar za nastavnike i profesore fizike, Fojnica, Januar 27–29, 2005; Zbornik predavanja: str. 11–20, Društvo fizičara u Bosni i Hercegovini (2005).
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20. E. Hasović, M. Busuladžić i D. B. Milošević, *Generacija ultrakratkih laserskih impulsa i molekularna spektroskopija*, Seminar za nastavnike i profesore fizike, Fojnica, 20-22. januar, s. 22-32 (2009).
21. M. Busuladžić, E. Hasović, A. Gazibegović-Busuladžić, A. Kramo, S. Odžak, A. Čerkić, B. Fetić and D. B. Milošević: *From the features of the molecular spectra to the shape of molecular orbitals: How to acquire information about molecular structure*, Četvrti BH simpozij "Morfologija u nauci i praksi" sa međunarodnim učešćem, 27.-30. septembar , Sarajevo (2012).
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23. S. Odžak, A. Čerkić, M. Busuladžić, E. Hasović, A. Gazibegović-Busuladžić, and D. B. Milošević: *Heteronuclear diatomic molecules in a strong laser field with an arbitrary polarization*, IV International School and Conference on Photonics, Belgrade, Serbia, August 26–30, Poster Session B – Lasers, laser spectroscopy, Book of Abstracts, p. 71 (2013).
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- 25 E. Hasović, D. B. Milošević, and M. Busuladžić: *Molecular above-threshold ionization spectra as an evidence of three-point interference of electron wave packets*, 23rd International Laser Physics Workshop (LPHYS'14), Sofia, Bulgaria, July 14-18, Talk 2.9.5, Book of Abstracts, p. 48 (2014).
26. A. Gazibegović-Busuladžić, E. Hasović, A. Čerkić, W. Becker, D. B. Milošević, and M. Busuladžić, *Atomic and molecular processes generated by few-cycle laser pulses*, 23rd International Laser Physics Workshop (LPHYS'14), Sofia, Bulgaria, July 14-18, Poster P2.1, Book of Abstracts, p. 58 (2014).

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## Projekti

1. *Jonizacija iznad praga pomoću ultrakratkog laserskog impulsa*, projekat podržan od Federalnog ministarstva obrazovanja i nauke
2. *Jonizacija iznad praga pomoću bicirkularnog laserskog polja*, projekat podržan od Ministarstva obrazovanja i nauke Kantona Sarajevo
3. *Jonizacija dvoatomskih molekula i generacija viših harmonika pomoću jakog laserskog polja*, projekat podržan od Federalnog ministarstva obrazovanja i nauke
4. *Primjena lasera u attofizici i attohemiji*, projekat podržan od Federalnog ministarstva obrazovanja i nauke
5. *Toward a Quantitative Strong-Field Approximation and its Application to Attoscience*, projekat podržan od strane Alexander von Humboldt fondacije
6. *Analiza spektara poliatomskih molekula*, projekat podržan od Federalnog ministarstva obrazovanja i nauke
7. *Rezonantna pojačanja u ionizacionim spektrima molekula*, projekat podržan od Federalnog ministarstva obrazovanja i nauke
8. *Nelinearni atomski procesi u jakom bichromatskom laserskom polju*, projekat podržan od Federalnog ministarstva obrazovanja i nauke

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Elvedin Hasović