

PERSONAL INFORMATION

Ovidiu-Vasile Nițescu



📍 Village Albeștii Ungureni(Commune Albeștii de Argeș), County Argeș, no. 226, 117006 Curtea de Argeș (Romania)
☎ (+4) 0774676937
✉ ovidiu.nitescu@nipne.ro

Sex Male | Date of birth 07/09/1994 | Nationality Romanian

WORK EXPERIENCE

01/04/2016–Present

Assistant Researcher

Horia Hulubei National Institute of Physics and Nuclear Engineering, Măgurele (Romania)

The major part of my research activity is associated with the study of beta decay, double beta decay, neutrino physics, rare nuclear processes and nuclear structure.

EDUCATION AND TRAINING

01/10/2019–Present

PhD Student

Faculty of Physics, University of Bucharest, Măgurele (Romania)

Theoretical and Computational Physics

01/10/2017–30/06/2019

Master Degree

Faculty of Physics, University of Bucharest, Măgurele (Romania)

Theoretical and Computational Physics

01/10/2013–30/06/2017

Bachelor Degree

Faculty of Physics, University of Bucharest, Măgurele (Romania)

Quantum Mechanics, Electrodynamics, Nuclear Physics, Optics, Atomic Physics, Solid State Physics, Relativity Theory

15/09/2009–15/06/2013

National College Vlaicu Voda, Curtea de Argeș (Romania)

PERSONAL SKILLS

Mother tongue(s)

Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving

Proficient user	Proficient user	Independent user	Proficient user	Proficient user
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Digital skills - Self-assessment grid

- good command of office suite (word processor, spread sheet, presentation software)
- good command of LaTeX (article, presentation)
- good command of mathematica wolfram
- programming languages: C++, Fortran, Root

Driving licence B, BE

ADDITIONAL INFORMATION

Publications

- Nabi, J.-U.; Ishfaq, M.; **Nițescu, O.**; Mirea, M.; Stoica, S. β^- -Decay Half-Lives of Even-Even Nuclei Using the Recently Introduced Phase Space Recipe. *Universe***2020**, 6, 5.
- Ștefan Ghinescu, **Nițescu Ovidiu** and Sabin Stoica, *Investigation of Lorentz symmetry violation in double beta decay*, AIP Conference Proceedings **2165**, 020025 (2019)
- S. Stoica and **O. Nițescu**, *Neutrino properties deduced from the double beta decay study*, Proceeding of Science, Volume 340 , The 39th International Conference on High Energy Physics
- **Ovidiu Nițescu**, *General approach of electrostatic corrections in nuclear β decay*, July 2019, DOI:10.13140RG.2.2.27436.00644, Thesis for: Master's Degree, Scientific Supervisors: Assoc. Prof. dr. Iulia Ghiu, Prof. dr. Sabin Stoica, Prof. dr. Mihail Mirea
- Mavra Ishfaq, Jameel-Un Nabi, **Ovidiu Nițescu**, Mihail Mirea, and Sabin Stoica, *Study of the Effect of Newly Calculated Phase Space Factor on β^- -Decay Half-Lives*, Advances in High Energy Physics Volume 2019, Article ID 5783618, 16 pages
- Sabin Stoica, Mihail Mirea, **Ovidiu Nițescu**, Jameel-Un Nabi and Mavra Ishfaq, *New Phase Space Calculations for β^- -Decay Half-Lives*, Advances in High Energy Physics ,Volume 2016, Article ID 8729893, 8 pages Published: October 2016
- **Ovidiu Nițescu**, Filipoiu Ciprian, *Culegere de probleme rezolvate C++ clasa IX (Solved problems for C++)*, ISBN:978-606-577-058-4

Courses

- Precise beta decay calculations for searches for new physics, ECT*workshop, 8-12 April 2019
- TALENT @ ECT*Training in Advanced Low Energy Nuclear Theory: Fundamental Symmetries and Neutrinos, Seattle, USA, 9-27 July 2018
- VII Pontecorvo Neutrino Physics School, Prague, Czech Republic, 20 August - 1 September 2017
- TALENT @ ECT*Training in Advanced Low Energy Nuclear Theory: Theory for Exploring Nuclear Structure Experiments ,Trento, Italy, 3 - 21 July 2017

Conferences

- **Invited Speaker: Nițescu Ovidiu**, *Study of the effect of newly calculated phase space factor on β^- -decay half-lives*, 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Amasya, Tukey, 2-5 May 2019
- **Nițescu Ovidiu**, *A new method for computing the phase space factors in allowed nuclear β*

transitions, Fundamental Symmetries and Neutrinos, Seattle, USA, 9-27 July 2018

- **Nițescu Ovidiu**, *New phase space calculations for β^+ and EC decay modes*, New trends in High-Energy Physics, Budva, Montenegro, October 2016
- **Nițescu Ovidiu**, *New calculations for phase space factors for β^+/β^- decay*, Carpathian Summer School of Physics, Sinaia, Romania, June 2016

Honours and awards

- **Șerban Țițeica award** for remarkable scientific contributions of young researchers in Theoretical Physics 2017
- **1st award** in National Physics Contest *Dragomir Hurmuzescu* 2017
- **mention** in National Physics Contest *Dragomir Hurmuzescu* 2016
- **3rd award** in National Physics Contest *Dragomir Hurmuzescu* 2015