

PERSONAL INFORMATION

Anița Ștefana- Lucia



📍 Străpungere Silvestru nr.28, bloc CL8, ap.28, Iași 700005, Romania

☎ +40 741919167

✉ [stefi\\_anita@yahoo.com](mailto:stefi_anita@yahoo.com)

Gender Female | Date of birth 13/01/1994 | Nationality Romanian

WORK EXPERIENCE

- February 2019 -- present **Research Assistant**  
"Octav Mayer" Institute of Mathematics of the Romanian Academy
- March 2017 – July 2019 **Software Developer**  
Continental Automotive Romania

EDUCATION AND TRAINING

- November 2018 – March 2022 **PhD in Mathematics**  
Supervisor prof. dr. Lucian Beznea  
"Simion Stoilow" Institute of Mathematics of the Romanian Academy  
Defended on March 16th 2022, *Summa Cum Laudae*.
- 2015 – 2016 **Master of Science degree in Mathematics**  
**King's College London**, Faculty of Natural and Mathematical Sciences, United Kingdom
  - Studied subjects: Real Analysis, Complex Analysis, Topology, Mathematical Biology, Metric and Banach Spaces, Fourier Analysis, Manifolds, Nonlinear Analysis
- 2012 – 2015 **Bachelor of Arts Honours degree in Mathematics**  
**University of Cambridge**, Faculty of Mathematics, Murray Edwards College, United Kingdom
  - Studied subjects : Analysis, Complex Methods, Metric and Topological Spaces, Numerical Analysis, Differential Equations, PDE, Variational Principles, Mathematical Biology
- 2008 - 2012 **Colegiul " Costache Negruzzi" Iași, Romania**  
Baccalaureate in Mathematics and Computer Science

PERSONAL SKILLS

Mother Tongue Romanian

Other Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
IELTS					
French	B2	B2	B2	B2	B2

DELTA

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference (CEF) level

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Certificat de competențe digitale nr. 0546297

Other computer skills :

- MATLAB, C/C++, LaTeX, Python

ADDITIONAL INFORMATION

Presentations

Segmentation for radiotherapy treatment planning, Bridgwater 2014, Cambridge  
 - Optimal control for SDEs with feedback inputs and related Kolmogorov equations, Atelier de travail en Stochastique et EDP, Bucharest, Romania, 20 October, 2020, <http://imar.ro/CFM/2020/EDP-Stochastiques-Oct2020.pdf>  
 - Stochastic optimal control problems and related Kolmogorov equations, IWSPA 2020 - International Workshop on Stochastic Processes and Their Applications, A virtual workshop, 24 November – 9 December, 2020, <http://blogs.mat.ucm.es/presa/program2020/>  
 - Optimal control problem for McKean-Vlasov stochastic equation, The 10th International Conference on Stochastic Analysis and its Applications (10th ICSSA), Kyoto University, Japan, 6-10 September, 2021, [https://www.math.kyoto-u.ac.jp/workshop/ICSSA2020/ICSSA2020\\_program](https://www.math.kyoto-u.ac.jp/workshop/ICSSA2020/ICSSA2020_program)  
 - An optimal control problem related to a non-linear Fokker-Planck equation, Young Researchers Workshop – Romanian Society of Probability and Statistics, Bucharest, Romania, 19 November, 2021, <https://spsr.ase.ro/wp-content/uploads/2021/10/spsr-workshop-2021-3.pdf>  
 - Optimal control of a McKean-Vlasov equation via non-linear Fokker-Planck equation, 15th Viennese Conference on Optimal Control and Dynamic Games, Vienna, Austria, 12–15 July, 2022, [https://orcocos.tuwien.ac.at/fileadmin/t/orcocos/ORCOS/VC2021/time-table\\_06-21.pdf](https://orcocos.tuwien.ac.at/fileadmin/t/orcocos/ORCOS/VC2021/time-table_06-21.pdf)  
 - Controlling a nonlinear Fokker-Planck equation via inputs with nonlocal action, The Tenth Congress of Romanian Mathematicians, Pitesti, Romania, 30 June – 5 July, 2023

Projects

Research project: **Segmentation for radiotherapy treatment planning**, Bridgwater Internship 2014 (joint project with VoxTox) supervisor Dr. Carola Schönlieb  
**Partial Differential Equations and Stellar Dynamics**, King's College London, 2016

Research visits

Julius-Maximilians-Universität Würzburg, Germany, 2022, 2023  
 Universität Bielefeld, Germany, 2023

Summer schools

International Summer School for Students - Modern Mathematics, Jacobs University, Bremen, 2-12 July 2013

Courses

Excellence in Science: An International Learning Experience in Advanced Mathematics, Bologna, Italia, 2011, coord. Prof. G. Boffi of Università degli Studi Internazionali di Roma

ANNEXES

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## Awards

## National Competitions ( sample ):

- Romanian National Mathematical Olympiad – gold medals ( 2007, 2008, 2009, 2010, 2011), silver medal (2012), selected in the enlarged Romanian team for the International Olympiad of Mathematics (2010, 2011)
- First and Second Prize at ``Le Concours Europeen de Mathematiques Appliquees Kangourou”- 2010, 2011, Bucharest

## International Competitions:

- European Girls Mathematical Olympiad EGMO 2012, Cambridge – silver medal  
<https://www.egmo.org/people/person62/>
- 13th Junior Balkan Mathematical Olympiad 2009, Sarajevo, Bosnia and Herzegovina – Second Prize
- American Mathematics Contests : Certificate of Distinction ( 2009, 2010, 2011) and School winner AMC 10 and AMC 12