PERSONAL INFORMATION Isabela Drămnesc

Bdv. Vasile Pârvan, no.4, room 050B, 300223, Timișoara, Romania

WORK EXPERIENCE

January 2016 - present

Lecturer

West University of Timișoara, Faculty of Mathematics and Computer Science, Department of Computer Science

- Teaching, evaluation, supervision, tutoring, research
- A WUT welcome & an example of a mini-course that I teach:
  (in EN) https://www.youtube.com/watch?v=MvnjXrhtaHY
  and (in RO) https://www.youtube.com/watch?time_continue=4&v=sc9bCWH8Tzl

Sector Education

March 2013 – January 2016

Teaching Assistant

West University of Timișoara, Faculty of Mathematics and Computer Science, Department of Computer Science

- Teaching, evaluation, supervision, tutoring, research

Sector Education

February 2009 – March 2013

Preparator

West University of Timișoara, Faculty of Mathematics and Computer Science, Department of Computer Science

- Teaching, evaluation, supervision, research

Sector Education

EDUCATION AND TRAINING

1 October 2017 – 14 December 2017

Training in PBL (Problem Based Learning)

Maastricht University, Netherlands and West University of Timisoara, Romania

- Member of the project: Integrated Continuous Psycho-pedagogical Training System for University Teachers in West University of Timisoara, a project of Academic Development Center of West University of Timisoara in partnership with Maastricht University, Netherlands;
- PBL-MOOC (October 2017– December 2017): Online course certificate on Problem Based Learning: Principles and Design provided by School of Health Professions Education of Maastricht University, Netherlands
- Training stage (November 2017) at Maastricht University, Netherlands;
- Trainings at West University of Timisoara with experts from Maastricht University, Netherlands

1 June 2014 – 13 December 2015 Postdoctoral position in Computer Science

Faculty of Mathematics and Computer Science, Department of Computer Science, West University of Timişoara, Romania mentor Prof. Dr. Tudor Jebelean from Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria.

- Research in the field of automated reasoning, logic, algorithm synthesis on binary trees, the Theorema system, the Coq system.
- POSDRU Grant (1 June 2015 – 30 July 2015) – Research Stage at INRIA, Sophia-Antipolis, France

1 October 2008 – 7 December 2012 Ph.D Degree in Computer Science

Faculty of Mathematics and Computer Science, Department of Computer Science, West University of Timişoara, Romania under the supervision of Prof. Dr. Tudor Jebelean from Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria.

- PhD Thesis: *"Case Studies on Algorithm Synthesis and Theory Exploration in Theorema"*
- Research in the field of automated reasoning, logic, algorithm synthesis on lists, sets, monotone lists, the Theorema system.
- European Project (1 October – 15 December 2011) Research Stage at Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria;
- Austrian Grant (15 May - 31 July 2011) Research Stage at Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria;
- Erasmus Grant (1 February 2010 - 3 July 2010) Studies at Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria;

September 2007 – June 2010 Sc. Degree in Music

Center of Culture and Art, Timişoara School of Arts, Timis County, Romania
- The study included: Classical Music, International Music, Traditional Music, Musical Theory; and Instrument (Piano);
- *Vocal Artist Diploma* (graduated with 10 – the maximum degree).

October 2007 – July 2009 M.Sc. Degree in Computer Science applied on Science, Economy

Faculty of Mathematics and Computer Science, Department of Computer Science, West University of Timişoara, Romania

October 2003 – July 2007 Bachelor Degree in Mathematics and Computer Science

Faculty of Mathematics and Computer Science, Department of Computer Science, West University of Timişoara, Romania

- The study included: Mathematical Analysis, Algebra, Geometry, Differential Equations, Numerical Analysis, Mechanics, Probability and Statistics, Computer Science Bases, Algorithms and Programming, Information Systems for Economy, Formal Languages, Data Structures.
- Bachelor Thesis: *"Polynomial factorization"*, Scientific advisor: Prof. Dr. Gheorghe Ivan.
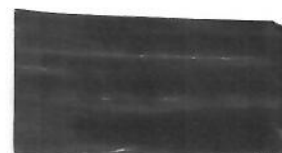
September 1999 – June 2003 High School
National College "Decebal", Deva, Romania

September 1991 – June 1999 Classical School
National College "Sabin Dragoi", Deva, Romania

PERSONAL SKILLS

Mother tongue(s)	Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	C2	A2	B2	B2	A1
French	B1	B1	A2	A2	A2

Communication skills

- good communication skills gained through my experience: as a teacher, as a tutor, as a team leader in organizing international conferences, workshops and other events held in our department of Computer Science and in other countries
- working in national and international teams
- social counselling
- intercultural skills
- social skills for cultural and artistic activities carried out in parallel with the professional activity

Organisational / managerial skills

Leadership and organizational skills.
- Conference organizer or local chair: SYNASC 2009, SYNASC 2010, SYNASC 2011, SYNASC 2012, SYNASC 2013, SYNASC 2014, SYNASC 2015, SYNASC 2016, SYNASC 2017, SYNASC 2018, SYNASC 2019 www.synasc.ro, PAS 2015 http://pas2015.cc4cm.org, FROM 2019 http://from2019.projects.uvt.ro
- member of Senate of West University of Timisoara since February 2019 – present.

Job-related skills

System Experience
- Working Experience on PCs (Windows 95, 98, XP, Vista, 7, 8, 10)
- Programming Languages:
  - Imperative: C, Pascal, Python,
  - Object-Oriented: C++, Java,
  - Declarative: Prolog,
  - Functional: Lisp, Scheme/Racket,
  - Other: Maple, Mathematica, Theorema
- Other: LaTeX, Office, FoxPro, Html.

Digital competence

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

Other computer skills:
- good web developer (webpages created: http:/staff.fmi.uvt.ro/~isabela.dramnesc)

Other skills

Vocal artist passionate on Romanian traditional music, a very good composer of songs and poems, a very good dancer, a very good hairstylist, a good chess player, a good painter, a passionate driver.

Driving licence

Driving licence category B since December 2002.

ADDITIONAL INFORMATION

Publications:

- 5 journal articles (from which 2 are ISI core rank A),
- 13 conference articles (from which 12 are ISI core rank C),
- 6 international technical reports published in RISC Report Series, Research Institute for Symbolic Computation, University of Linz, Austria
- 1 book: Principles and Practice of Functional Programming, Editura Universității de Vest, Timișoara

Presentations at international conferences, workshops and seminars:

- Ukraine: *2009 Seminar* at National Taras Shevchenko University in Kiev,
- Austria: *SCSS 2010* at Johannes Kepler University of Linz; *CIAO 2010* at RISC Hagenberg; *RISC Theorema Seminar 2010* at RISC, Hagenberg; *RISC Theorema Seminar 2011* at RISC, Hagenberg; *Vienna Summer of Logic 2014* at Vienna University of Technology,
- Serbia: *SISY 2012, SISY 2014, SISY 2015, SISY 2019* in Subotica,
- France: *INRIA Seminar 2015* in Sophia-Antipolis,
- Romania: *SYNASC 2010, SYNASC 2011, SYNASC 2012, Scientific Seminar UVT 2012, Annual PhD Students Session 2012, SYNASC 2015, FROM 2019* at West University of Timisoara; *SACI 2012, SACI 2016* at Politehnica University of Timisoara

Projects:

- SciCom (Scientific Computing Platform) bilateral project, collaboration Romania-Austria, July 2010 – August 2010 – Young Visiting Researcher RISC, Linz, Austria;
- SPRERS (Strengthening the Participarion of Romania at European R&D in Software Services), West University of Timisoara, 1 October 2011 – 15 December 2011 – Young Visiting Researcher RISC, Linz, Austria;
- HOST (High Performance Computing Service Center), West University of Timisoara, 1 January 2012 – 31 December 2014;
- POSDRU/159/1.5/S/137750, Project Doctoral and Postdoctoral programs support for increased competitiveness in Exact Sciences research cofinanced by the European Social Fund within the Sectoral Operational Programme Human Resources Development 2007 – 2013, West University of Timisoara, 1 June 2014 - 13 December 2015;
- Integrated Continuous Psycho-pedagogical Training System for University Teachers in West University of Timisoara, Maastricht University, Netherlands, 1 October – 15 December 2017;
- Discover WUT, West University of Timisoara, May 2018;
- Project Erasmus+ Strategic Partnership for Higher Education: Automated Reasoning in the Class (as project manager), West University of Timisoara, 1 October 2019 – 30 September 2021.

Trainings, Tutorials, Seminars, Workshops, and Summer Schools:

- CIAO workshop, 3-5 August 2010, Research Institute for Symbolic Computation (RISC) in Hagenberg, Austria, http://www.risc.jku.at/conferences/ciao2010/?content=program
- Summer School on Language Frameworks, Sinaia, Romania, July 23-31, 2012. https://fmse.info.uaic.ro/events/SSLF12
- Tutorial on Programming Language Design and Analysis using the K Framework, 29 September 2012, West University of Timișoara, Romania, http://synasc12.info.uvt.ro/tutorials/tutorial-k-framework
- Workshop of e-Infrastructure for Public Sector, 21-23 March, 2013, West University of Timișoara, http://host.hpc.uvt.ro/events/workshop-of-e-infrastructure-for-public-sector
- Seminar „Training Proiecte FP7, PN II and POSDRU", 26.04.2013, Timișoara, Romania, http://www.cercetare.uvt.ro/seminar-training-proiecte-fp-7-pnii-posdru
- Info Day H2020-ICT, 16 December 2013, West University of Timișoara, http://host.hpc.uvt.ro/events/infoday-h2020-ict
- 2014 Tarragona International Summer School on Trends in Computing, Tarragona, Spain, July 7-11, 2014, http://grammars.grlmc.com/sstic2014
- Tutorial on "The Theorema Proof Assistant", September 2017, Timisoara, Romania, https://synasc.ro/2017/tutorials-2/wolfgang-windsteiger
- STP Valencia Langiages & IT Training for University Staff, June 2019, Politecnica University of Valencia, Spain http://staffmobility.eu/staffweek/18th-stp-valencia-languages-it-training
- Erasmus+ Strategic Partnerships for Higher Education Workshop, February 2019, National Agency ANPCDEFP, https://www.erasmusplus.ro/evenimente-det/vrs/IDev/1403

Keynote speaker:
- Student Centred Approach: A Case Study on Problem based Learning, 11 and 14 December 2017, West University of Timișoara, Romania

Teaching stages at:
- Johannes Kepler University, Research Institute for Symbolic Computation, Linz, Austria in 20.03.2019 – 13.04.2019 within the Erasmus+ mobilities for teaching

Program Committee member
- PAS 2015 Fourth International Seminar on Program Verification, Automated Debugging and Symbolic Computation, Beijing, China, October 21-23, 2015, http://pas2015.cc4cm.org/organizers.html
- Information Sciences, Elsevier Journal, (ISI core rank A)

Managing editor from 2012 to present:
- Annals of West University of Timișoara, Mathematics and Informatics Series http://www.math.uvt.ro/anmath/index.php/ami/about/editorialTeam

Expert evaluator:
- Romanian: Stiintescu projects, 2nd edition, 2019, https://timisoara.stiintescu.ro/

Citations:
- On Google Scholar: h-index 6, around 100 citations
- On ISI Web of Knowledge: h-index 2, around 50 citations
- On Scopus: h-index 5, around 60 citations
- On ResearchGate: h-index 4, around 40 citations
- On Mendeley: h-index 5, around 60 citations

Courses:
- Online at http://staff.fmi.uvt.ro/~isabela.dramnesc
- A minicourse (in EN) https://www.youtube.com/watch?v=MvnjXrhtaHY
- and (in RO) https://www.youtube.com/watch?time_continue=4&v=sc9bCWH8Tzl

ANNEX 1
Selected list of publications:

PhD Thesis:

I. Drămnesc, *Case Studies on Algorithm Synthesis and Theory Exploration in Theorema*, Faculty of Mathematics and Computer Science, West University of Timisoara, December 2012, Scientific advisor: Prof. Dr. Tudor Jebelean, Johannes Kepler University of Linz, Austria.

Books:

M. Marin, V. Negru, I. Drămnesc, *Principles and Practice of Functional Programming*, (in EN), Editura Universității de Vest, Timisoara, 2016, ISBN 978-973-125-451-7.

Journal articles:

1) I. Drămnesc, T. Jebelean, S. Stratulat, *Mechanical Syntheis of Sorting Algorithms for Binary Trees by Logic and Combinatorial Techniques*, Journal of Symbolic Computation, Elsevier, vol. 90, 2019, pp. 3 – 41, https://doi.org/10.1016/j.jsc.2018.04.002

2) I. Drămnesc and T. Jebelean, *Synthesis of List Algorithms by Mechanical Proving*, Journal of Symbolic Computation, Elsevier, vol. 69, issue 1, 2015, pp. 61 – 92, http://dx.doi.org/10.1016/j.jsc.2014.09.030

Scrisoare de motivare a candidaturii

pentru un mandat în

Consiliul Departamentului de Informatică

Subsemnata, Isabela Drămnesc, lector universitar doctor la Departamentul de Informatică, Facultatea de Matematică şi Informatică, precizez că principala motivaţie pentru care îmi depun candidatura la o poziţie de *membru în Consiliul Departamentului de Informatică* este dorinţa de a contribui la dezvoltarea permanenta a Departamentului de Informatică atât în plan academic, cât şi în cel al activităţii de cercetare.

În acest sens intenţionez a mă voi implica în acţiuni care vizează: *internaţionalizarea, imaginea* şi *promovarea departamentului*:

- Creşterea vizibilităţii interne şi internaţionale a Departamentului de Informatică atât în plan academic (prin susţinerea acţiunilor de promovare a programelor de studii, de atragere a studenţilor străini), cât şi în planul cercetării ştiinţifice (prin participarea la organizarea de evenimente ştiinţifice cu caracter internaţional),

- Elaborarea şi punerea în practică a unei strategii de colaborare cu profesori şi cercetători din diferite părţi ale lumii (prin efectuarea unor vizite la universităţi atât din Europa, cât şi din alte continente).

Timişoara, 10.10.2019   Semnătura,

Declaraţie

Subsemnata, Isabela DRĂMNESC, lector universitar doctor la Departamentul de Informatică din cadrul Facultăţii de Matematică şi Informatică al Universităţii de Vest din Timişoara, declar pe proprie răspundere că nu am fost nici lucrător şi nici colaborator al securităţii.

Timişoara,

10.10.2019

Lect. Univ. Dr. Isabela DRĂMNESC,