



## Curriculum Vitae

### 1 Personal information

First name / Surname : **Rodica (BOZIANU) CONDURACHE**

E-mail : rodica.bozianu@gmail.com ;  
rodica.bozianu@u-pec.fr

Nationality : Romanian

Date of birth : 19 June 1989

Gender : Female

### 2 Experience

**October 2017 - present** : Teaching associate

Computer Science Faculty, "A.I.Cuza" University, Iasi, Romania

**October 2016 - September 2017** : Temporary Attaché for teaching and research (ATER)

Laboratoire d'Algorithmique, Complexité et Logique, Université Paris-Est Créteil, France

### 3 Education and training

**October 2013 - December 2016** : **PhD Student**

Subject : Synthesis of Interactive Reactive Systems

Laboratoire d'Algorithmique, Complexité et Logique, Université Paris-Est Créteil, France

<http://www.lacl.fr/en/accueil>

and

Université Libre de Bruxelles, Computer Science Department,

<http://www.ulb.ac.be/>

Advisors: Catalin Dima(LACL) and Emmanuel Filiot(ULB)

**18 March - 2 August 2013** : **M2 Internship**

Subject : Synthesis from epistemic temporal specifications

Grade: 14/20

Laboratoire d'Algorithmique, Complexité et Logique, Université Paris-Est Créteil, France

**September 2012 - September 2013 : M2 - MPRI (Master Parisian de Recherche en Informatique)**

Average degree: 13.24/20

École normale supérieure de Cachan

<http://www.ens-cachan.fr/>

<https://wikimpri.dptinfo.ens-cachan.fr/doku.php?id=start>

Courses: Introduction to verification(13.3/20), Concurrency(13.5/20), Foundations of real time systems verification(12.7/20), Game theory techniques in computer science(14.1/20) Algorithmic verification of programs (12.8/20), Mathematical foundations of the theory of infinite transition systems(11.1/20), Mathematical foundations of automata theory(11.4/20), Cryptographic protocols: computational and symbolic proofs(11.5/20)

**15 February - 15 May 2012 : M1 Internship**

Subject : Model checking epistemic temporal logics

Grade: 20/20

Laboratoire d'Algorithmique, Complexité et Logique, Université Paris-Est Créteil, France

**October 2011 - June 2012 : M1 - Master in Information Security**

Average degree: 10/10

Computer Science Faculty, "Alexandru Ioan Cuza" University, Iasi, Romania

<http://www.info.uaic.ro>

**October 2008 - July 2011 : Bachelor in Computer Science**

Average degree: 9.72/10

Bachelor Thesis: "A simulation preorder refinement" - Grade 10 / 10

Computer Science Faculty, "Alexandru Ioan Cuza" University, Iasi, Romania

**April 2010 - August 2010 : Erasmus Program in Computer Science**

Information Engineering Department, University of Konstanz, Germany

<http://www.uni-konstanz.de>

## **4 Personal skills and competences**

**Mother tongue(s) :** Romanian

**Other languages:** English : B1 French : B2

**Social skills and competences:** Team spirit; Good ability to adapt to multicultural environment; Good communication and negotiations skills; Public speaking skills; Seriousness;

**Organisational skills and competences:** Capacity of respecting deadlines; Exceptional attention to detail; Punctuality;

**Computer skills and competences:**

- Good knowledge of LaTeX
- Good knowledge of Operating Systems (Windows XP, 7, Linux)
- Knowledge of C/C++/C# /Java/Java EE and SQL programming
- HTML, CSS languages

**Interests:**

- Model Checking, Temporal Logics,
- Interactive Reactive Systems Synthesis, Game theory,
- Computer Security, Algorithms

**Training courses:**

- Game Theory and Algorithms summer school, Lake Como School of Advanced Studies, 7-11 September 2015 (Campione d'Italia)
- 1st EATCS Young Researchers School on Automata, Logic and Games, 27 July - 1 August 2014, Telč, Czech Republic
- 11th Summer School on Modelling and Verification of Parallel Processes (MOVEP'14), 7-11 July 2014, Nantes, France  
<http://movep14.irccyn.ec-nantes.fr/student.html>
- Microsoft Academic Tour 2009 - Windows 7, Windows Live Services and Web Platform Installer - sustained by Microsoft Students Partners from Department of Computer Science Faculty, Iasi - 7 May 2009
- Business Intelligence Laboratory - sustained by Microsoft Students Partners from Department of Computer Science Faculty, Iasi - March 2009

**Prizes**

- December 2010 - Silver Medal at The Second Team Internet Mathematical Olympiad - MO Ariel , Israel
- June 2010 - Visual analytics of a pandemic spread: VAST 2010 Mini Challenge 2 award: Thorough description of analytic process  
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5653071>
- April 2009 - Participation to the Annual Vojtech Jarník International Mathematical Competition, Ostrava, Czech Republic
- March 2009 - Bronze Medal at Third Internet Math Olympiad - MO Ariel , Israel - Second Stage
- December 2008 - Bronze Medal at Third Internet Math Olympiad - MO Ariel , Israel - First Stage

## 5 Publications

- Francesco Belardinelli, Rodica Condurache, Catalin Dima, Wojciech Jamroga and Andrew Jones, "Bisimulations for Verifying Strategic Abilities Applied to Voting Protocols", AAMAS 2017, May 8-12, 2017, São Paulo, Brazil - Accepted, To appear
- Rodica Condurache, Emmanuel Filiot, Raffaella Gentilini, Jean-François Raskin, "The Complexity of Rational Synthesis", ICALP 2016, July 11-15, 2016, Rome, Italy, volume 55 of LIPIcs, pages 121:1-121:15. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik

- Rodica Bozianu, Catalin Dima, Emmanuel Filiot, "Safrless Synthesis for Epistemic Temporal Specifications", Computer Aided Verification - 26th International Conference, CAV 2014, Held as Part of the Vienna Summer of Logic, VSL 2014, Vienna, Austria, July 18-22, 2014, Lecture Notes in Computer Science Volume 8559, 2014, pp 441-456
- Rodica Bozianu, Catalin Dima, Constantin Enea, "Model checking an Epistemic  $\mu$ -calculus with Synchronous and Perfect Recall Semantics", 14th Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2013), Chennai, India, January 7-9, 2013

## 6 Tools

- *Acacia-K* - Tool for  $KLTL^+$  synthesis <http://lacl.fr/~rbozianu/Acacia-K/>

## 7 Teaching

### Lectures

2016 - 2018:

- *Security Models*, Master in Computer science (first year)

### Exercises

2017 - 2018:

- *Security Models*, Master in Computer science (first year)
- *Logics in Computer Science*, Bachelor in Computer Science (first year)
- *Algorithm Design*, Bachelor in Computer Science (first year)

2016 - 2017:

- *Security Models*, Master in Computer science (first year)
- *Object Oriented programming*, Bachelor in Computer Science (second year) - 18h
- *Network and Concurrent Programming*, Bachelor in Computer Science(third year) -18h
- *Databases design*, Bachelor in Computer Science (third year) - 21h
- *Programming in C*, Bachelor in Computer Science (second year) - 33h
- *Computer Architecture*, Bachelor in Computer Science (second year) - 18h

2015 - 2016:

- *Object Oriented programming*, Bachelor in Computer Science (second year) - 20h
- *Network and Concurrent Programming*, Bachelor in Computer Science(third year) -12h
- *Databases*, Bachelor in Computer Science (third year) - 24h
- *Introduction in Security* - Master in Computer science (first year)- 7.5h

2014 - 2015:

- *C/C++ Programming*, Bachelor in Computer Science (second year) - 15h
- *Computer Architecture*, Bachelor in Computer Science (second year) - 18h

- Algorithmics and introduction to complexities (third year) - 18h
- Databases (third year) - 12h

2013 - 2014:

- *C/C++ Programming*, Bachelor in Computer Science (second year) - 15h
- *Computer Architecture*, Bachelor in Computer Science (second year) - 18h
- *Algorithms and Complexity*, Bachelor in Computer Science (third year) - 18h
- *Specification languages of logics*, Master in Computer science (first year) - 6h
- *Methods and tools for verification*, Master in Computer science (first year) - 6h

## 8 Other Academic Activities

Public Talks:

- *Synthesis of Interactive Reactive Systems* - MeFoSyLoMa December 2016
- *The Complexity of Rational Synthesis* - ICALP 2016, GT ALGA 2016, Highlights 2016
- *Safrless Synthesis for Epistemic Temporal Specifications* - CAV 2014, MOVEP'14 and IBISC laboratory.

Conference reviews:

- Subreviewer for 16th International Conference on Autonomous Agents and Multiagent Systems 2017 (AAMAS 2017)
- Subreviewer for 15th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016)
- External reviewer for International Joint Conferences on Artificial Intelligence 2015 (IJCAI 2015)
- Subreviewer for 40th International Symposium on Mathematical Foundations of Computer Science (MFCS 2015)
- External reviewer for International Conference on Computer Aided Verification 2014 (CAV 2014)