

# Curriculum Vitae

## Personal information

First names / Surname **Eliana-Dina Tîrșă**  
Address Ion Manolescu, nr 6, bl 128, sc A, et 3, ap 15  
RO-061217 Bucharest (Romania)  
Telephone +40744126523  
E-mails [eliana.tirsa@cs.pub.ro](mailto:eliana.tirsa@cs.pub.ro), [eliana.tirsa@gmail.com](mailto:eliana.tirsa@gmail.com)  
Nationality Romanian  
Date of birth 05/07/1983  
Gender Female

## Work experience

Dates 2007 - present  
Occupation or position held Teaching Assistant  
Main activities and responsibilities Preparing and teaching classes, elaborating and grading exams  
Participating in national (PEGAF, Depsys) and international (MonALISA, EU-NCIT, P2P-Next) research projects  
Name and address of employer "Politehnica" University of Bucharest  
Splaiul Independenței nr. 313, sector 6, Bucharest, Romania  
Type of business or sector University  
Dates July 2009 - September 2009  
Occupation or position held Intern  
Main activities and responsibilities Study the use of XtremOS resource nodes in clouds (enable automatic deployment of XtremOS VMs in a Nimbus cloud, design dynamic provisioning of resources from clouds in XtremOS System)  
Name and address of employer INRIA Rennes - Bretagne Atlantique (IRISA), PARIS project team  
Campus de Beaulieu, 263, avenue du Général Leclerc, 35042, Rennes, France  
Type of business or sector Research

## Education and training

Dates October 2008 - present  
Title of qualification awarded PhD (Computer Science)  
Principal subjects / occupational skills covered Fault Tolerance, Monitoring and Virtualization in Distributed Systems, Cloud Computing, Peer-to-Peer Systems

Name and type of organisation providing education and training Faculty of Automatic Control and Computers  
"Politehnica" University of Bucharest

Dates 2007 - February 2009

Title of qualification awarded Master of Computer Science

Principal subjects / occupational skills covered Engineering  
Computer Science  
System Programming

Name and type of organisation providing education and training Faculty of Automatic Control and Computers  
"Politehnica" University of Bucharest

Dates 2002 - 2007

Title of qualification awarded Bachelor of Computer Science

Principal subjects / occupational skills covered Engineering  
Computer Science  
System Programming

Name and type of organisation providing education and training Faculty of Automatic Control and Computers  
"Politehnica" University of Bucharest

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

**Italian**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	A2	Basic user
B2	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) [Common European Framework of Reference \(CEF\) level](#)

**Computer skills and competences**

Experience in preparing and teaching undergraduate classes in the following fields:

- Introduction to Operating Systems
- Parallel and Distributed Algorithms
- Computer Architectures (high performance computing optimizations),

Use of C and Python programming languages; good knowledge of Java and SQL (holder of an Oracle Academic Initiative Certificate).

## Publications

- **"Data Replication Techniques with Applications to the MonAlisa Distributed Monitoring System"**, *Eliana-Dina Tîrşa, Mugurel Ionut Andreica, Alexandru Costan*, Proceedings of the IEEE International Conference on "Computer as a Tool" (EUROCON), pp. 339-346, Sankt-Petersburg, Russia, 18-23 May, 2009. (ISBN: 978-1-4244-3861-7)
- 
- - **"A Fault-Tolerant Peer-to-Peer Object Storage Architecture with Multidimensional Range Search Capabilities and Adaptive Topology"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Nicolae Tapus*, Proceedings of the 5<sup>th</sup> IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 221-228, Cluj-Napoca, Romania, 27-29 August, 2009. (ISBN: 978-1-4244-5007-7)
- 
- - **"A Peer-to-Peer Architecture for Multi-Path Data Transfer Optimization using Local Decisions"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Nicolae Tapus*, Proceedings of the 3<sup>rd</sup> Workshop on Dependable Distributed Data Management (WDDDM), pp. 2-5, Nuremberg, Germany, 31 March-3 April, 2009 [ held in conjunction with the European Conference on Computer Systems (EuroSys) ]. (ISBN: 978-1-60558-462-1)
- 
- - **"Data Distribution Optimization using Offline Algorithms and a Peer-to-Peer Small Diameter Tree Architecture with Bounded Node Degrees"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Nicolae Tapus*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 2, pp. 445-452, Bucharest, Romania, 26-29 May, 2009 (3<sup>rd</sup> International Workshop on High Performance Grid Middleware - HiPerGrid).
- 
- - **"Towards a Centralized Scheduling Framework for Communication Flows in Distributed Systems"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Nicolae Tapus, Florin Pop, Ciprian Mihai Dobre*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 1, pp. 441-448, Bucharest, Romania, 26-29 May, 2009. (ISSN: 2066-4451)
- 
- - **"Towards a Grid Platform for Scientific Workflows Management"**, *Alexandru Costan, Corina Stratan, Eliana-Dina Tîrşa, Mugurel Ionut Andreica, Valentin Cristea*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 1, pp. 37-44, Bucharest, Romania, 26-29 May, 2009. (ISSN: 2066-4451)
- 
- - **"Critical Analysis of Middleware Architectures for Large Scale Distributed Systems"**, *Florin Pop, Ciprian Mihai Dobre, Alexandru Costan, Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Corina Stratan, Valentin Cristea*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 1, pp. 29-36, Bucharest, Romania, 26-29 May, 2009. (ISSN: 2066-4451)
- 
- - **"Offline Algorithms for Several Network Design, Clustering and QoS Optimization Problems"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Alexandru Costan, Nicolae Tapus*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 1, pp. 273-280, Bucharest, Romania, 26-29 May, 2009. (ISSN: 2066-4451)
- 
- - **"Data Distribution Optimization using Offline Algorithms and a Peer-to-Peer Small Diameter Tree Architecture with Bounded Node Degrees"**, *Mugurel Ionut Andreica, Eliana-Dina Tîrşa, Nicolae Tapus*, Proceedings of the 17<sup>th</sup> International Conference on Control Systems and Computer Science (CSCS), vol. 2, pp. 445-452, Bucharest, Romania, 26-29 May, 2009 (3<sup>rd</sup> International Workshop on High Performance Grid

Middleware - HiPerGrid). (ISSN: 2066-4451)

- - **“Towards a Real-Time Scheduling Framework for Data Transfers in Tree Networks”**, *Mugurel Ionuț Andreica, Eliana-Dina Tîrșă*, - Proceedings of the 2nd International Workshop on Real Time and Embedded Systems (RTES), held in conjunction with the 10th IEEE International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, 26-29 September, 2008.
- - **“An Approach to Modeling and Management of Scientific Workflows”**, *C. Stratan, A. Costan, E. Tîrșă, V. Cristea*, - Proceedings of the International Workshop on Workflow and ProcessManagement (WfPM), held in conjunction with the 10th IEEE International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, 26-29 September, 2008.