



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Fax(es)

Email(s)

Nationality(-ies)

Date of birth

Gender

Coleșa Adrian

Technical University of Cluj-Napoca
Department of Computer Science
Baritiu 26-28, Cluj-Napoca 400027, Romania

+40-264-401.487

+40-264-59.44.91

adrian.colesa@cs.utcluj.ro

Romanian

May 14, 1973

Male



Current Position

Title

Organization

Senior Lecturer

Department of Computer Science, Technical University of Cluj-Napoca, Romania

Education

Dates

Title of qualification awarded

Principal subjects

Name and type of organization
providing education and training

1998 – 2010

PhD, Computer Science

Thesis title: *“Dependable services, built on group communication systems, providing fast access to huge volumes of data in distributed systems”*

Technical University of Cluj-Napoca, Romania

Dates

Title of qualification awarded

Principal subjects

Name and type of organization
providing education and training

1996 – 1997

M.S. Computer Science

Thesis title: *“Implementation of Active Contours Models in Image Processing using Java”*

Technical University of Cluj-Napoca, Romania

Dates

Title of qualification awarded

Principal subjects

Name and type of organization
providing education and training

1990 – 1996

B.S. Computer Science

Thesis title: *“Study and Implementation of a Distributed Operating System”*

Technical University of Cluj-Napoca, Romania

Academic Experience

Dates	October 2006 – present
Position	Senior Lecturer
Academic organization	Technical University of Cluj-Napoca, Romania
Department	Computer Science
Teaching subjects	Operating Systems, Design of Operating Systems, Administrating Operating Systems
Dates	2001 – 2006
Position	Junior Lecturer
Academic organization	Technical University of Cluj-Napoca, Romania
Department	Computer Science
Teaching subjects	Operating Systems, Design of Operating Systems
Dates	1998 – 2001
Position	Teaching Assistant
Academic organization	Technical University of Cluj-Napoca, Romania
Department	Computer Science
Teaching subjects	Computer Programming, Data Structure and Algorithms, Operating Systems, Design of Operating Systems

Publications

- 1 A. Coleșa, "Probleme de fiabilitate, scalabilitate și disponibilitate a serviciilor în sistemele grid," in *Volumul 1 al Atelierului de lucru MedioGRID*, Cluj-Napoca, Romania, Decembrie 2005, pp. 169–183
- 2 A. Coleșa and I. Ignat, "Fiabilitatea și scalabilitatea serviciilor de replicare a datelor în sistemele grid," in *Volumul 2 al Atelierului de lucru MedioGRID*, Cluj-Napoca, Romania, February 2006, pp. 160–180
- 3 A. Coleșa, I. Ignat, Z. Majo, and V. Cionca, "A meta-data enhanced file system using the classical interface," in *Proceedings of The 10th International Conference an Applied Mathematics and Computer Science*, May 2006, pp. 100–106
- 4 A. Colesa, I. Ignat, and R. Opris, "Providing high data availability in mediogrid," in *Proceedings of The 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '06)*. IEEE Computer Society, 2006, pp. 296–302
- 5 A. Colesa, T. Pop, I. Ignat, and C. Ardelean, "Automatic and reliable distribution of data in grids over globus toolkit," in *Proceedings of the 9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC07)*. IEEE Computer Society, 2007, pp. 310–316
- 6 A. Coleșa, V. Cionca, A. Tata, and I. Ignat, "A meta-data enhanced file system," in *Proceedings of the 3rd IEEE International Conference on Intelligent Computer Communication and Processing (ICCP07)*. IEEE, September 2007, pp. 267–270
- 7 Y. Balde, A. Coleșa, and I. Ignat, "An indirect hotswapping system for linux kernel modules," in *Proceedings of the 3rd IEEE International Conference on Intelligent Computer Communication and Processing (ICCP07)*. IEEE, September 2007, pp. 270–276
- 8 K. I. Marton and A. Coleșa, "Glinda - grid-based distributed linda system," in *Proceedings of the Ninth International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '07)*. Washington, DC, USA: IEEE Computer Society, 2007, pp. 349–352

- 9 A. Coleşa, R. Tudoran, and S. Banescu, "Software random number generation based on race conditions," in *Proceedings of the Tenth International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '08)*. IEEE Computer Society, 2008, pp. 439–444
- 10 A. Coleşa, B. Marincas, I. Ignat, and C. Ardelean, "Strategies to transparently make a centralized service highly-available," in *Proceedings of the 5rd IEEE International Conference on Intelligent Computer Communication and Processing (ICCP09)*. IEEE Computer Society, 2009, pp. 296–302
- 11 A. Coleşa, I. Stan, and I. Ignat, "Transparent fault-tolerance based on asynchronous virtual machine replication," in *Proceedings of The 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '10)*. IEEE Computer Society, 2010, accepted for presentation
- 12 A. Coldea, A. Coleşa, and I. Ignat, "Orcfs: Organized relationships between components of the file system for efficient file retrieval," in *Proceedings of The 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '10)*. IEEE Computer Society, 2010, accepted for presentation

Books

- 1 A. Coleşa, *Web-based learning*. Cluj-Napoca, Romania: Editura Casa Cărţii de Ştiinţă, 2000, ch. Web-based learning, pp. 5–83
- 2 A. Coleşa and Z. Şomodi, *Proiectarea Sistemelor de Operare. Îndrumător de laborator*. Cluj-Napoca, Romania: UTPress, 2005
- 3 A. Coleşa, Z. Şomodi, and I. Ignat, *Sisteme de Operare. Chestiuni teoretice şi practice*. Cluj-Napoca, Romania: UTPress, 2007

Research Projects

Dates	2010 – present
Project Name	Initiative for Globus in Europe (IGE)
Financial support	Grant 261560/2010 Seventh Framework Programme (FP7)
Position	Research member
Principal subjects	Globus infrastructure support, test and maintenance of Globus configurations and applications
Academic institution	Department of Computer Science, Technical University of Cluj-Napoca, Romania
Dates	2006 – 2007
Project Name	Innovative Strategies for Fast and Flexibly Data Organization and Searching in File Systems
Financial support	Grant 24/2007 from Romanian Ministry of Research and Education
Position	Research member
Principal subjects	Support for user attributes of files, new concepts for data organization in file systems, integration of the new concepts with existing applications
Academic institution	Department of Computer Science, Technical University of Cluj-Napoca, Romania
Dates	2005 – 2008
Project Name	MEDIOGRID – Parallel and distributed graphical computation over GRID of geographical and environmental data
Financial support	Grant 19CEEX-I03/2005 from Romanian Ministry of Research and Education
Position	Research member
Principal subjects	Distribution of huge volumes of data over Grid

Academic institution	Department of Computer Science, Technical University of Cluj-Napoca, Romania
Dates	2003 – 2004
Project Name	Research for Curricula Update with Microsoft Technologies
Financial support	Grant 2003-177 from Microsoft Research
Position	Research member
Principal subjects	Usage of Microsoft Windows XP services for teaching operating system
Academic institution	Department of Computer Science, Technical University of Cluj-Napoca, Romania
Dates	1999 – 2000
Project Name	Software framework for object oriented distributed programming
Financial support	Grant 33830/1998, theme 37/12 from Romanian Ministry of Research and Education
Position	Research member
Principal subjects	Study and development of group communication services
Academic institution	Department of Computer Science, Technical University of Cluj-Napoca, Romania

Fellowships

Dates	March – June, 1997
Principal subjects	Image processing algorithms
Academic institution	Technical University of Athens, Greece
Dates	August – September, 1999
Principal subjects	Study of Web-authoring tools and development of a guide for writing a Web-course
Academic institution	University of Limerick, Ireland

Personal Skills and Competences

Mother tongue(s)

Self-assessment
European level^(*)

English

German

Romanian

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

^(*) Common European Framework of Reference (CEF) level