

## PERSONAL INFORMATION

## GHEORGHE GRIGORAȘ

[grigoras@info.uaic.ro](mailto:grigoras@info.uaic.ro)[www.info.uaic.ro/~grigoras](http://www.info.uaic.ro/~grigoras)

## POSITION

ARACIS Council's member

## WORK EXPERIENCE

2004 - 2012

**Dean**

Alexandru Ioan Cuza University, Faculty of Computer Science , Iași (Romania)

To coordinate the entire didactic activity of the faculty (curricula, teaching staff, didactic process, infrastructure), To teach courses to the students

1996 - 2004

**Vice Dean**

Alexandru Ioan Cuza University, Faculty of Computer Science , Iași (Romania)

To coordinate the activity concerning the distance learning in the Faculty of Computer Science, To teach courses to the students.

1992 - 1996

**Dean**

Alexandru Ioan Cuza University, Faculty of Computer Science , Iași (Romania)

To coordinate the entire didactic activity of the faculty (curricula, teaching staff, didactic process, infrastructure), To teach courses to the students

1990 - 1992

**Vice Dean**

Alexandru Ioan Cuza University, Faculty of Mathematics , Iași (Romania)

To coordinate the entire didactic activity of the Computer Science Department

1972 - 1990

**Assistant Professor, Lecturer, Associate Professor**

Alexandru Ioan Cuza University, Faculty of Mathematics , Iași (Romania)

Teaching, Research, To coordinate students' activities

## EDUCATION AND TRAINING

2013 - 2013

**Graduation Certificate**

A&amp;C Proiecte și Consultanță Managerială, Drobeta Turnu Severin (Romania)

Quality audits

2011 - 2011

**Graduation Certificate**

Ministry of Education and Research, Bucharest (Romania)

Strategic project "Improving University Management"

Training module "Quality Management in Higher Education" (Sibiu 2011)

Certificate no. M2/59

1976 - 1981 **PhD in Mathematics**  
 Alexandru Ioan Cuza, Iaşi (Romania)  
 PhD Thesis: Contribution to the Theory of the Automata using Graph Theory

1967 - 1972 **MSc**  
 Faculty of Mathematics, Alexandru Ioan Cuza University, Iaşi (Romania)  
 Mathematics, Computer Science

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A2	B1	A2	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills Good communication skills gained through my work as professor and ARACIS expert in evaluations of Informatics Programs.

Organisational / managerial skills

Vice Dean of the faculty for 6 years  
 Dean of the faculty for 12 years

Member of the Projects Teams:

CIRC - Automated Verification Using Circularities - <https://fmse.info.uaic.ro/projects/CIRC/>  
 K - Executable Semantic Framework - <https://fmse.info.uaic.ro/projects/K/>

Project Manager(for my University Team) for 3 international projects:

DECOR, TEMPUS SJEP 468492/1, 1994  
 Comp Train , TEMPUS SJEP 11168-96  
 Innovative Teacher project (I\*Teach), Leonardo da Vinci Pilot Project  
 (<http://i-teach.fmi.uni-sofia.bg/contact-us>)

Member in international program committees:

KEPT 2007, 2008, 2009  
 SACCS 2007  
 3rd Balkan Conference in Informatics (BCI'2007)  
 4th Balkan Conference in Informatics (BCI'2009)  
 The Fifth International Conference on Internet and Web Applications and Services (ICIW 2010 - VEWAeL Track) <http://www.iaria.org/conferences2010/ComICIW10.html>

- Job-related skills**
- Professional competencies:  
- Teaching courses at the Faculty of Computer Science, Bachelor and Master level  
- Leadership seminars and laboratory work
- Managerial skills:  
- Dean, Vice Dean of the Faculty of Mathematics and Faculty of Computer Science
- Skills in quality assurance in higher education:  
- Writing self-assessment Report for Bachelor and Master degree Programs at the Faculty of Computer Science  
- Member of the Senate Committee for Quality Assurance, Alexandru Ioan Cuza University  
- Permanent Expert in Computer Science in Committee 1, ARACIS  
- Evaluation of Computer Science Programs (Bachelor and Master) for majority of Romanian Universities  
- Member of the Institutional Assessment at Universities: Babes Bolyai, West University of Timișoara, Pitești
- Computer skills**
- My research areas of interest are Formal Languages and Compiler Construction, Programming Languages, Functional Programming with Haskell, Algebraic specification and verification. I teach courses in these subjects, and also I published 3 books and more than 30 papers.
- Software:  
C / C ++ - Very good (academic experience)  
C # - good (academic experience)  
Java - average (academic experience)  
Haskell - good (academic experience)  
Microsoft Office:  
MS Word  
MS Excel  
MS PowerPoint  
MS Access  
Operating Systems:  
Windows  
Linux  
Mac OS

## ADDITIONAL INFORMATION

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- References**
- Contact persons for references:  
Professor Stefan Andrei, Lamar University, USA (sandreai@cs.lamar.edu)  
Professor Dan Tufis, Romanian Academy Bucharest ( tufis@racai.ro ),  
Professor Dan Cristea, University of Iasi, Romania (dcristea@info.uaic.ro)  
Professor Virgil Cazanescu, University of Bucharest (vec@funinf.math.unibuc.ro).

## Publications Selected publications

1. Gheorghe GRIGORAȘ, Cătălina Soriana SITNIKOV, Paraschiva POPOVICI, Daniela DĂNCIULESCU, The Management and Continuous Improvement Model of Quality in Academic Education from the Perspective of the Education – Research Process, PROCEEDINGS of 3rd International Conference Institutional Strategic Quality Management in Higher Education ISQM 2011 Sibiu, Romania, July 14 – 16, 2011, pp129-138
2. Stefan Andrei, Albert M. K. Cheng, Gheorghe Grigoras, Vlad Radulescu: An Efficient Scheduling Algorithm for the Multiprocessor Platform. SYNASC 2010: 245-252, IEEE Computer Society 2010, ISBN 978-0-7695-4324-6.
3. G. Grigoras, D. Lucanu, G. Caltais, E. I. Goriac: Automated Proving of the Behavioral Attributes, BCI 09 33-38 Sept 2009, Thessaloniki
4. Stefan Andrei, Gheorghe Grigoras, Martin Rinard, Roland Yap: A Hierarchy of Tractable Subclasses for SAT and Counting SAT Problems, SYNASC 09, 26-29 sept 2009, Timisoara (to appear in a IEEE volume).
5. E. I. Goriac, G. Caltais, D. Lucanu, O. Andrei, G. Grigoras: Patterns for Maude Metalanguage Applications, Electronic Notes in Theoretical Computer Science, 238, 121-138, 2009
6. Mihaela Brut, Laura Asandului, Gheorghe Grigoras: A Rule-Based Approach for Developing a Competency-Oriented User Model for E-Learning Systems. ICIW 2009: 555-560
7. G.Caltais, E. I. Goriac, D. Lucanu, G. Grigoras: A Rewrite Stack Machine for ROC!, Proceedings of the 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2008), Timisoara, 85-91, IEEE Computer Society 2008, ISBN 978-0-7695-3523-4
8. D. Lucanu, G. Rosu, Gh. Grigoras: Regular Strategies as Proof Tactics for CIRC Prover, Electronic Notes in Theoretical Computer Science, 204, 83-98, 2008
9. Mihaela Brut, Sabin C. Buraga, Sergiu Dumitriu, Gheorghe Grigoras, Marta Gîrdea: A Competency-Oriented Modeling Approach for Personalized E-Learning Systems, ICIW-2008, Third International Conference on Internet and Web Applications and Services, 8-13 June 2008, Athens, Greece, pp.410-415.
10. Gheorghe GRIGORAȘ, Dorel LUCANU: On Hidden Algebra Semantics of Object Oriented Languages, 2004, Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași, Informatică, Tomul XIV, pp.51 – 68, 2004.
11. Ștefan ANDREI, Wei-Ngan CHIN: Gheorghe GRIGORAȘ, Co-determinism and unambiguity of automata accepting finite or infinite words, Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași, Informatică, Tomul XIV, pp.1 – 11, 2004.
12. Ștefan ANDREI, Wei-Ngan CHIN: Gheorghe GRIGORAȘ, A Tutorial on a Monadic Approach for Expressions Evaluation, Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași, Informatică, Tomul XII, pp.1 – 27, 2002.
13. Ștefan ANDREI, Gheorghe GRIGORAȘ: Manfred KUDLEK, Cristian MASALAGIU, On the Complexity of Propositional Calculus Formulae, Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași, Informatică, Tomul X, pp.27 – 43, 2001.
14. Andrei, St., Gheorghe GRIGORAȘ: Kudlek, M.: A Parallelization of LR-Parsing. Proceedings of The International Workshop on Advanced Compiler Technology for High Performance and Embedded Systems, pp. 119-124, Bucharest, Romania, July 19-20, Editura MATRIX ROM, ISBN 973-685-273-3, 2001
15. Gheorghe Grigoras: Generating context sensitive languages by Attribute Grammars, Analele Științifice ale Universitatii "Alexandru Ioan Cuza" din Iasi, .XXXIII,s.I.a(1987), Matematica-Informatica, pp. 339-344.
16. Gheorghe Grigoras: On the isomorphism-complete problems and polynomial time isomorphism, Acta Cybern. 5: 135-142 (1981)
17. Gheorghe Grigoras: Strict Reversible Automata and their Isomorphism, Revue Roumaine de Math. Pures et Appl., T.XXVIII,n.4(1983), pp. 289-296
18. Dan A. Simovici, Gheorghe Grigoras: Even Initial Feedback Vertex Set Problem is NP-Complete, Inf. Process. Lett. 8(2): 64-66 (1979)

Gheorghe Grigoras: Constructia compilatoarelor - Algoritmi fundamentali, Editura Universitatii "Al. I. Cuza" Iasi, ISBN 973-703-084-2, 274 pg., 2005.

Gheorghe Grigoras: Programarea calculatoarelor - Partea I: Fundamente, Editura "Spiru Haret" Iasi, ISBN 973 - 9259 - 43 - x, 282 pg., 1999.

- Presentations** Gheorghe Grigoras: Informatics Education in Romanian Universities in context of Bologna Process [slides],  
European Computer Science Summit, 3rd Annual Informatics Europe Meeting 2007, October 8-9 2007, Berlin  
<http://kbs.cs.tu-berlin.de/ecss/program.html>
- Projects** DECOR, TEMPUS SJEP 468492/1, 1994  
Comp Train , TEMPUS SJEP 11168-96,  
(<http://nats-www.informatik.uni-hamburg.de/~tempus/>)  
Innovative Teacher project (I\*Teach), Leonardo da Vinci Pilot Project  
(<http://i-teach.fmi.uni-sofia.bg/contact-us> )  
CIRC - Verificare automata prin circularitati, CNCSIS ID 393/2007 (2007 - 2010)  
INTEROB - Interactiunea gestuala cu sistemele informatice si robotice, CEEX  
131/2006, (2006 - 2008)  
DAK - An Executable Semantic Framework for Rigorous Design, Analysis and  
Testing of Systems ( K - Executable Semantic Framework), Programul Operational Sectorial  
"Cresterea Competitivitatii Economice", AXA Prioritara 2, Operatiunea 2.1.2, 2010 – 2013,  
<https://fmse.info.uaic.ro/grants/DAK/>, [http://k-framework.org/index.php/Main\\_Page](http://k-framework.org/index.php/Main_Page)
- Visits** Visits to foreign universities (research internships, visiting professor):  
1977 Sept. - Dec., Fulbright, Cornell University  
1993 March: Visiting professor, Lille University, France  
1994 March - June: Tempus DECOR, University of Derby, UK  
1995 April: Tempus Decor, University of Lancashire, UK  
1996 May - June: Tempus DISCO, University Paris sud-Orsay, France  
1997 May: Tempus COMPTRAIN, University of Hamburg, Germany  
1998 April - May: Tempus COMPTRAIN, University of Granada, Spain  
1999 May: Tempus COMPTRAIN, University of Aalborg, Denmark  
2003 July: Erasmus Program, University of Granada, Spain  
2005 May: Erasmus Program, Middlesex University, UK  
2005 October: ETH Zurich  
2007 October: TU Berlin  
2009 October: University of Geneva