

PERSONAL INFORMATION



Cristian-Mihai Amarandei

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Sex Male | Date of birth 18 Dec 1975 | Nationality Romanian

WORK EXPERIENCE

May 2014–Present

IT&C Department Manager

"Gheorghe Asachi" Technical University of Iasi, Iasi (Romania)

- Coordinate IT&C activities in "Gheorghe Asachi" Technical University of Iași
- Coordinate "Gheorghe Asachi" Technical University of Iași DataCenter
- Coordinate the projects for the modernization of the communication infrastructure and the implementation of software applications for management of the educational and research process;
- Establish the personnel policy of the department, including the appointment of component structure managers;
- Propose and organize the contests for occupying the positions of the department's personnel scheme;
- Establish and maintain collaborative ties with IT partners to develop services provided to users of the university's IT system;

Business or sector Education

Sep 2008–Present

Assistant Professor

Department of Computer Science and Engineering, "Gheorghe Asachi" Technical University of Iasi, Iasi (Romania)

- taught courses and laboratory work (Bsc: - Operating System, MSc: - Network Systems Management I, Network Systems Management II, Cluster and Grid Technologies)

Business or sector Education

Apr 2010–Present

IT consultant

SC Geskimo SRL, Iasi (Romania)
www.cognitiveseo.com, www.brandmentions.com

- Install & configure Linux servers
- Verify Backups & System Health for all internal/external server
- Day-To-Day End-User support for internal staff
- Monitoring System performance, suggesting & implementing tuning issues
- 2nd level support contact person for various hosting
- IT infrastructure support

Business or sector Information and communication

2006–2008

system administrator

SC YOTERRA SRL, Iasi (Romania)

- Install & configure Linux servers
- Verify Backups & System Health for all internal/external server

- Day-To-Day End-User support for internal staff
- Monitoring System performance, suggesting & implementing tuning issues
- IT infrastructure support

Business or sector Information and communication

2007–2008 **Manager**

SC FASTPATH LOGIC SRL, Iasi (Romania)

- responsible for a team of 15 people

Business or sector Information and communication

2006–2008 **system administrator**

SC FASTPATH LOGIC SRL, Iasi (Romania)

- Install & configure Linux servers
- Verify Backups & System Health for all internal/external servers
- Day-To-Day End-User support for internal staff
- Monitoring System performance, suggesting & implementing tuning issues
- IT infrastructure support

Business or sector Information and communication

2004–2006 **system engineer**

S.C. Montero Iasi S.R.L., Iasi (Romania)

- Offer support and consultancy to internal users and customers;
- Solve production systems incidents in a timely manner
- Day-to-day administration and monitoring of production systems and IT infrastructure;
- Ensure availability and reliability of the internal applications.

Business or sector Pharmaceutical, Healthcare

1999–2008 **Teaching assistant**

Department of Computer Science and Engineering, "Gheorghe Asachi" Technical University of Iasi

Business or sector Education

EDUCATION AND TRAINING

26 Oct 2017–Present

Huawei HCNA-Storage

Huawei

Certificate No. 010100901679806855131409

2001–2011

Doctor of Philosophy (PhD), Computer Science

"Gheorghe Asachi" Technical University of Iasi, Iasi (Romania)

- Thesis: Parallel applications design for computer clusters

1999–2000

Master of Engineering (M.Eng.), Parallel and Distributed Systems

"Gheorghe Asachi" Technical University of Iasi, Automatic Control and Computing Engineering, Iasi (Romania)

1994–1999 **Bachelor of Engineering (B.Eng.), Computer Engineering**

"Gheorghe Asachi" Technical University of Iasi, Automatic Control and Computing Engineering, Iasi (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

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

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Organisational / managerial skills

- responsible for a team of 20 people at "Gheorghe Asachi" Technical University of Iasi, IT&C Department
- responsible for a team of 15 people at SC Fastpath Logic SRL

Job-related skills

- Skills acquired at "Gheorghe Asachi" Technical University of Iasi
 - HPC cluster and Grid system infrastructure for GRAI (Academic grid for complex applications) project (2006-2008) - <http://www.grai.tuiasi.ro/en/index-en.html>
 - Grid site management, HPC Cluster management, Shell Scripting, Parallel Programming (C and MPI)
- Skills acquired at SC Geskimo SRL, SC FASTPATH LOGIC SRL, SC YOTERRA SRL and SC Montero Iasi SRL:
 - Build customized CentOS image ready to be deployed in production
 - Intrusion detection systems (OSSEC)
 - Network monitoring systems (Nagios, Ganglia)
 - Linux Network Services: DNS, Email server, Backup systems, Network Authentication Systems (NIS, LDAP); Network filesystems (NFS), VPN (pptp, openvpn)
 - Virtualization tools (Xen, Kvm) and IT infrastructure virtualization
 - Database systems administration (MySQL, Redis);
 - Web server (nginx, apache); Proxy servers (squid);
 - Linux firewalls and bandwidth management;
 - Source control systems (subversion); Build systems (CruiseControl); Bug and Issue Tracking Systems (Bugzilla, Redmine)

Driving licence B

ADDITIONAL INFORMATION

Attended Courses

- 2017, Huawei HCNA-Storage-BSSN (Huawei Certified Network Associate - Building the Structure of Storage Network) V3.0 , July 24-28, Iasi
- 2017, Huawei HCNA-HNTD (Huawei Certified Network Associate - Huawei Network Technology and Device), July 17-21, Iasi

- 2017, Huawei HCIE-Cloud V1.0, June 12-23, online training
- 2011, "ComplexHPC Spring School 2011", May 9-13, VU University, Amsterdam
- 2009, "Intel Parallelism Faculty 3.0", 12-19 October, Bucuresti
- 2008, "SEE-GRID-2 - National Training event for Grid Administrators", 17-18 April, Bucuresti
- 2005, "IBM Content Manager Implementation and Administration" si "IBM Content Manager API Programming", 14-25 November, Bucuresti
- 2001, "Cluster Computing 2001" Summer School, 25 – 31 August, Mangalia, Romania

Publications

Books:

1. C. Aflori, M. Craus, I. Sova, F. Leon, C. Butincu, **C. M. Amarandei**, *GRID - Tehnologii si Aplicatii*, Editura Politehniun, Iasi, ISBN 973-621-122-3, 200 pag., 2005
2. M. Craus, **C.M. Amarandei**, B. Romanescu, *Algoritmi și limbaje de calcul paraleli – Îndrumar de laborator*, Rotatprint, Univesitatea Tehnică "Gh.Asachi, 150 pag, 2005
3. C. Botez, M. Craus (coordonatori), *Teste de informatică*, Editura Politehniun Iași, ISBN 973-621-092-8 , 273 pag., 2005
4. C. Botez, M. Ilinca (coordonatori) - *Teste de Informatică*, Ed. "Gh. Asachi", Iași, Romania, ISBN 973-8050-93-6, 2001

Book chapter:

1. **Cristian-Mihai Amarandei**, Andrei Rusan, Alexandru Archip, Simona (Arustei) Caraiman, "On the Development of a GRID Infrastructure", Scientific and Educational Grid Applications, H.N. Teodorescu, M. Craus, (Editors), Ed. Politehniun, 2008, pg. 13-23 (145), ISBN 978-973-621-236-9.
2. Alexandru Archip, Simona (Arustei) Caraiman, **Cristian-Mihai Amarandei**, Andrei Rusan, "On the design of Higher Order Components to integrate MPI applications in Grid Services", Scientific and Educational Grid Applications, H.N. Teodorescu, M. Craus, (Editors), Ed. Politehniun, 2008, pg. 25-35 (145), ISBN 978-973-621-236-9.
3. Simona (Arustei) Caraiman, Alexandru Archip, **Cristian-Mihai Amarandei**, "Grid Based Visualization Using Sort-Last Parallel Rendering", Scientific and Educational Grid Applications, H.N. Teodorescu, M. Craus, (Editors), Ed. Politehniun, 2008, pg. 101-109 (145), ISBN 978-973-621-236-9.

Scientific papers

1. **Amarandei, C.M.**, Lepdatu, D., Caraiman, S., "Improving the Design of Parallel Applications Using Statistical Methods", Journal Of Applied Science, Vol. 11, No 6, pp. 932-942, 2011
2. **C.M. Amarandei**, A.Rusan - *Techniques for efficient resource management on shared clusters*, Proceedings ECIT2010 - 6th European Conference on Intelligent Systems and Technologies Iasi, Romania, 2010
3. Rusan A., **Amarandei C.-M.**, *A New Model for Cluster Communications Optimization*, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 910-918, 2010 – Best Paper Prize
4. **C.M. Amarandei**, A. Rusan, A. Archip, S. Arustei - *On the development of a GRID infrastructure* , 5th European Conference on Intelligent Systems and Technologies, 2008
5. A. Archip, S.Arustei, **C.M. Amarandei**, A. Rusan - *On the design of Higher Order Components (HOC) to integrate MPI applications in Grid Services*, 5th European Conference on Intelligent Systems and Technologies, 2008

6. A. Arustei, A. Archip, **C.M. Amarandei** – *Grid Based Visualization Using Sort-Last Parallel Rendering* - 5th European Conference on Intelligent Systems and Technologies, 2008
7. A. Archip, **C.M. Amarandei**, S. Arustei, M. Craus - *Optimizing Association Rule Mining Algorithms using C++ Standard Template Library*, Buletinul UTI, Sectia Automatica si Calculatoare, tomul LIII(LVII), fasc. 1-4, 2007, ISSN 1220-2169
8. S. Arustei, A. Archip, **C.M. Amarandei** - *Parallel RANSAC for Plane Detection in Point Clouds*, Buletinul UTI, Sectia Automatica si Calculatoare, tomul LIII(LVII), fasc. 1-4, 2007, ISSN 1220-2169
9. Tudor Teodoru, **Cristian-Mihai Amarandei** - *Load Balancing in a Mobile Agent System*, Proceedings of 9th International Symposium on Automatic Control and Computer Science, SACCS 2007, ISSN 1843-7257, IASI, 16-17 noiembrie 2007, Editura POLITEHNIUM a Universității Tehnice "Gheorghe Asachi" Iași
10. **C.M Amarandei**, A. Archip, S. Arustei - *Performance Study for MySQL Database Access within Parallel Applications*, Buletinul UTI, Sectia Automatica si Calculatoare, tomul LII(LVI), fasc. 1-4,2006
11. D. Lepadatu, A. Kobi, **C. Amarandei** – *A new computational design of experiment for process optimization. Application for bending process*, Buletinul UTI, Sectia Construcții.Arhitectură, Tomul LII (LVI), Fasc. 1-1, 2006
12. M. H. Zaharia,C. Aflori, I. Sova, **C. Amarandei**, F. Leon - *Prototipul unui sistem gis web inteligent pentru extragerea cunostintelor din baze de date folosind agenti inteligent* ,Revista de Politica Stiintei si Scientometrie - Numar Special 2005 -ISSN- 1582-1218, raport de cercetare, grant 67/66/2004;
13. I. Sova, **C.M. AMARANDEI**, I. Gavrilă – *DynamicLoad Balancing in a Tree-Topology Distributed Mobile Agents System*, 8th International Symposium on Automatic Control and Computer Science, Iasi, Romania, 2004, ISBN 973-621-086-3;
14. G. Amarandei, **C. AMARANDEI** and D. Dorohoi - *Simulation of water pure rotational spectrum*, Scientific Annals of University of Agricultural Sciences and Veterinary Medicine, T. XLVII, v.2.-2004, pp. 289-293, ISSN 1454-7376
15. M.Craus, M.H. Zaharia, C. Amarandei, *Efficient Routing Using an Optimal Path Election Parallel Algorithm*, Advances in Electrical and Computer Engineering, No 1 / 2002, ISSN 1582-7445, Suceava, pp. 57-60, 2002