

## Curriculum Vitae

**Name:** Voichița Almășan (Iancu)  
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### Projects and professional experience:

- 2009 – now: “Politehnica” University of Bucharest, teaching assistant in the Computer Science Department ( [www.pub.ro](http://www.pub.ro) )
- 2007 – 2009: S.C. Freescale Semiconductors S.R.L., NMG team (Network and Multimedia Group), PTApps department (Packet Telephony Applications) ( [www.freescale.com](http://www.freescale.com) )
- 2006 – 2007: S.C. ITC Networks S.R.L., Baystack team (software for Nortel switches) ( [www.itcnetworks.ro](http://www.itcnetworks.ro) )
- 2005 – 2006: PARIS (Programming parallel and distributed systems for large scale numerical simulation applications) within IRISA/INRIA (Institut de Recherche en Informatique et Systemes Aleatoires / Institut National de Recherche en Informatique) Rennes, France ( [www.irisa.fr/paris](http://www.irisa.fr/paris) )

### Education:

- 2007 – 2011: Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department, PhD studies
  - *Using Peer-to-Peer Scalable Techniques to Increase Service Availability in SIP Distributed Systems*
- 2005 – 2006: Ecole Normale Superieure (ENS) Cachan, Antenne de Bretagne, Rennes, Franta, Master INFO-TELECOM (“Grid computing” domain)
  - *A Monitoring Tool to Manage the Dynamic Resource Requirements of a Grid Data Sharing Service*
- 2001 – 2006 Technical University of Cluj-Napoca, Faculty of Automation and Computer Science, Computer Science Department
- 1997 – 2001: „Tiberiu Popoviciu” Computer Science Highschool, Cluj-Napoca (valedictorian)

### Certifications:

- Zentrale Mittelstufe Pruefung (Goethe Institut, 2005)

### Foreign languages:

- English (advanced)
- French (advanced)

- German (advanced)

### Prices at various highschool and university contests:

- International mathematics olympiad for university students (IMC)
  - Third price (2002, 2003)
- National mathematics olympiad for highschool students, final phase
  - Second price (2000)
  - Third price (2001)
- National computer science olympiad for highschool students, regional phase
  - Second price (1999)
  - Honourable mention (2000)
- International Computer Science Team Contest for Highschool Level ACSL  
Honourable mention (5<sup>th</sup> place among 60 participating teams) (2001)

### Scientific publications:

- Books:
  - Emil Slusanschi, Alexandru Herisanu, Mugurel Andreica, Eliana Tirsa, Alexandru Olteanu, Voichița Almășan. “Arhitectura Sistemelor de Calcul”, Editura Printech, 2011
- Articles in scientific magazines:
  - Voichița Iancu. “A means of enhancing storage reliability for peer-to-peer networks”, Scientific Bulletin of the Politehnica University of Bucharest, C Series, 2010
- Articles at international conferences:
  - Voichița Almășan, Iosif Ignat. “Optimizing service availability in VoIP signaling networks, by decoupling query handling in an asynchronous RPC manner”, In Proceedings of the 7<sup>th</sup> RoEduNet International Conference, Cluj-Napoca, Romania, August 2008
  - Voichița Iancu, Iosif Ignat. “A self-adapting peer-to-peer logical infrastructure, to increase storage reliability on top of the physical infrastructure”, In Proceedings of the 2009 IEEE ICCP International Conference, Cluj-Napoca, Romania, August 2009
  - Voichița Iancu, Iosif Ignat. “A decentralized distributed database built on top of the Chord DHT”, In Proceedings of the 8<sup>th</sup> RoEduNet International Conference, Galati, Romania, December 2009
  - Voichița Iancu, Iosif Ignat. “A peer-to-peer consensus algorithm to enable storage reliability for a decentralized distributed database”, In Proceedings of the 2010 IEEE AQTR Conference, Cluj-Napoca, Romania, May 2010
  - Voichița Iancu, Iosif Ignat. “A distributed database with self-extending capabilities, to compensate exclusion of malicious nodes”, In Proceedings of the 9<sup>th</sup> RoEduNet International Conference, Sibiu, Romania, June 2010
  - Voichița Iancu, Iosif Ignat, “A scalable solution for balancing the peer load in a Chord DHT”, In Proceedings of the 2010 IEEE ICCP International Conference, Cluj-Napoca, Romania, August 2010