

Dragoş Cătălin Barbu

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Position

- Programmer at Research Institute for Informatics, Bucharest, Romania

Education and qualifications:

- **Master:** Theoretical Computer Science, Dept. of Computer Science, University of Bucharest, Faculty of Mathematics and Computer Sciences
- **Graduate:** Computer Science, University of Bucharest, Faculty of Mathematics and Computer Sciences; Bachelor Degree, Computer Science Profile: average-9.90

Research Topics:

- Formal languages and applications to Computer Science
- Intelligent Agents in Virtual World
- Neural networks and applications to time series prediction
- GIS
- Web programming and web design

Papers in Conference – Proceedings:

- L. Ciocoiu, V. Raduţ, D. Smada, A. Cohal, I. Petre, D. Barbu – "**Travelling in Time by Simulating the past events**" – VRIC 2007, Laval, France
- D. Barbu, C. Pribeanu - "**Designing Guidelines Tools for e-Commerce Sites**" (in Romanian), RoCHI-2006, 21-22 September 2006, Bucharest – Romania
- L.Ciocoiu, D. Nicolau, D. Barbu, D. Smada, V. Raduţ - "**Advanced technologies for reconstruction and access to objects of national cultural patrimony**", Romanian Journal for Informatics, volume 16, No.1 2006
- L. Ciocoiu, D. Nicolau, D. Barbu - "**The Virtual Museum Archive**", Ichim-2005, Paris - France
- L. Ciocoiu, D. Barbu, D. Nicolau, C. Paraschiv - "**Customized web interface for multi-user applications on Internet**" (in Romanian), RoCHI-2004, Polytechnic University, Bucharest - Romania, 23-24 September 2004
- L. Ciocoiu, D. Nicolau, D. Barbu - "**Intelligent Agents in GIS information transfer through Internet**", "REVIGIS" project seminary organized by Université de Provence, Marseille- France, may 2004
- L. Ciocoiu, M. Ioniţă, D. Barbu – "**Multi-agent systems in the harvest prognosis**", Joint International Events on Information Theories & Applications, i.TECH-2004, Bulgaria
- D. Barbu, L. Leustean - "**Applications of feed-forward neural networks using Backpropagation algorithm on average monthly liquid flow forecasting**", National Symposium on Intelligent Systems and Applications, SIA-2003, 19-20 September 2003, Iaşi
- L.Ciocoiu, M. Ioniţă, D. Barbu - "**GIS on Web**", Romanian Journal for Informatics, volume 13, 2003
- L. Ciocoiu, M. Ioniţă, C. Paraschiv, D. Barbu - "**Geo-monitoring of a Region**", SIC vol. 12 no 4, December 2003, pp 293-300, ISSN 1220-1766

Research Reports

- C. Pribeanu, D. Barbu (2005). Nucleus 2003 Program. “**Web systems based on semantic and knowledge with applications in electronic services. Phase 6: Tool for registration and usage of designing recommendations patterns - prototype level implementation**”, vol. 1/1, December, 69 p. Call: PN 03 13 02 02.
- L. Ciocoiu, D. Barbu, D. Nicolau, D. Smada, A. Ancuta, I. Titirig, C. Cosoiu (2004). “**Advanced technology for reconstruction and access to the objects from national cultural patrimony. Elaboration of simulation algorithms for reconstruction (3D)**”, December, 42p. Call: 0802/5.
- L. Ciocoiu, D. Smada, Ancuta Andrei, Barbu Dragos, A-M. Borozan (2004). “**Romanian Museums**”, multimedia presentation CD + poster.

Projects involved (past and present)

2005–2008

- *SIMILAR* - Network of Excellence on multimodal human-computer interfaces (FP6 609507)
- Advanced technology for heterogeneous communication systems
- *ANPH* - Multimodal interfaces for persons with disabilities, <http://www.anph.ro>
- *eBimuz* - Integrated system to access the multicultural Romanian patrimony, as a part of the European culture (CEEX 142)
- *Museum* - Virtual visit in about 30 museums from Romania, presenting the history, archaeology, natural science, art, village and city architecture evolution and details, ethnography. This visit uses the multimedia techniques (text, images, and voice explanations)

2005

- *POStoc* - Integrated system for automated stock management (PN 01 13 05 04)

2004–2006

- *eMeditur* - Tool for online information and reservation services in tourism and in medical assistance for recovery in spas and resorts (R2130)
- Intelligent agents for Computer-Aided Design

2003–2005

- 2D Digital Reconstruction of the Destroyed Buildings from the Bucharest of the end of the XIX-th century, known as “the Little Paris”
- A Tool for 3D Digital Reconstruction of the Destroyed Buildings using the Old Photos (PN 03 13 08 02)

2003–2004

- Geospatial Data Mining - theory and applications; monitoring a region (Neural Networks in the liquid flow prediction, Harvest prediction)

2003

- Architectures and technologies for informatics systems and communication networks security (PN 03 13 09 01)

2002–2003

- Multifunctional Smartcard for e-commerce and Public Administration (R1113)

Biographical details

- **Birth date:** September 28 1979, Lehliu-Gară, Călărași

Foreign Languages (writing/speech/reading): English (advanced, advanced, advanced)

PC Skills:

PC base acquaintances: Word, Excel, PowerPoint

Programming Languages: VC, C, C++, Java, PHP & My-SQL, Clips(Expert Systems), Prolog(Logical programming)

Databases: My-SQL, ORACLE, FoxPro.

Web Design: PHP, ASP.

Administration: DOS, Windows9x, Windows NT4/2000, Windows XP

Operating systems: Windows 9x, NT, XP; Linux; MS-DOS;