

1. Curriculum Vitae

Ionuț Petre

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Position

- Programmer at Research Institute for Informatics, Bucharest, Romania

Education and qualifications:

- **Master:** Electronics and Medical Informatics, University Politehnica of Bucharest, Faculty of Electronics, Telecommunications and Informational Technology
- **Graduate:** Numerical and Multimedia Communications for Hi-Fi Systems, University Politehnica of Bucharest, Faculty of Electronics, Telecommunications and Informational Technology, Communications Profile

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:

- D. Smada, I.Petre, V. Radut, L.Ciociu, D. Barbu -- RIA 2006, nr1 vol 16 - Tool for online information and reservation services in tourism and in medical assistance for recovery in spas and resorts
- L. Ciociu, D. Smada, I. Petre, D. Barbu - **"Multimodal Interfaces for Persons with disabilities"**, iTech-2007, Varna – Bulgaria (to be published)
- L. Ciociu, D. Smada, V. Radut, I. Petre - **"Human Computer Interfaces in Cultural Heritage "**(in Romanian), RoCHI-2007 , Ovidiu University, Constanta - Romania, 22-23 September 2007 (to be published)
- L. Ciociu, V. Radut, D. Smada, A. Cohal, I. Petre, D. Barbu –**"Travelling in Time by Simulating the past events"** – VRIC 2007, Laval, France

Research Reports

- L. Ciociu, D. Barbu, D. Nicolau, D. Smada, A. Ancuta, I. Petre, V. Radut, C. Cosoiu (2004). Advanced technology for reconstruction and access to the objects from national cultural patrimony. Simulation algorithms for reconstruction (3D) elaboration, December, 42p. Call: 0802/5.

- L. Ciocoiu, D. Smada, Ancuta Andrei, Barbu Dragos, A-M. Borozan (2004). Romanian Museum, multimedia presentation CD + poster.

Projects involved (past and present)

2005-2008

- 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)

2005-2006

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

2005

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

Biographical details

- **Birth date:** October 10 1981, Bucharest
- **Knowledge:**

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

PC Skills:

PC base acquaintances: Word, Excel, PowerPoint

Programming Languages: C, C++, Pascal, Visual C++

Databases: My-SQL, ORACLE, FoxPro.

Web Design: PHP.

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

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

Network: Windows NT, Windows XP

Programming (experienced) : VC, C, C++, Java, PHP & My-SQL