6 Oct. 2004

VALENTIN A. MESAROS

Name : VALENTIN AURELIAN
Surname : MESAROS
Birth date : 5 July 1974
Marital status : married

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EDUCATION

2001 – present : Computer Science Department, Université catholique de Louvain, Belgium
Ph.D. student – "Framework for Adaptivity in Peer-to-Peer Systems"

1997 – 1998 : Faculty of Electronics and Telecom., Technical University of Cluj-Napoca, Romania
M.Sc. in Modern Techniques in Telecommunications : graduation average 9.85/10

1992 – 1997 : Faculty of Electronics and Telecom., Technical University of Cluj-Napoca, Romania
B.Eng. in Electronics and Telecommunications : licence examination average 9.5/10

COMPLEMENTARY COURSES

July 2001: graduated the 13th International School for Computer Science Researchers, Lipari, Italy.

July 1999: graduated the LOLA Distance Education course managed by Heriot-Watt University, Scotland.

Aug. 1995: graduated the European Committee Summer School in Berlin, Germany.

PROFESSIONAL EXPERIENCE

1999 – present : Computer Science Department, Université catholique de Louvain, Belgium
Research Assistant in 4 international research projects in the field of networks and distributed computing.

2000 – 2004 : Collaboration with, and internships in, different EU research centers: SICS, CETIC, INRIA.

1997 – 1999 : Centre for Multimedia Technologies and Distance Education, Technical University of Cluj-Napoca, Romania
Research Assistant in different national and international research projects in the fields of distance learning, networks, and multimedia.

LANGUAGES

- English and French – *fluent*
- German – *elementary*
- Dutch – *beginner*
- Romanian – *mother tongue*

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COMPUTING KNOWLEGE

Programming
- Network and distributed systems programming, Object Oriented, declarative and functional
- Java, C/C++, Mozart/Oz
- Linux, Windows

Technologies
- Peer-to-Peer, Client/Server, Distributed architectures, Network protocols
- Digital Image Processing, Image Compression, Multimedia

RESEARCH INTEREST

Adaptivity and Efficiency in Peer-to-Peer and GRID Systems, Fault-tolerant distributed computing, Communication support to distributed computing, Network protocols, Mobile computing.

PRACTICAL EXPERIENCE

- I am one of the two designers and developers of the Peer-to-Peer library, *P2PS*.
- I contributed at the development of the distribution component of the *Mozart* programming system.
- I attended and presented at different international conferences.

TEACHING EXPERIENCE

1999 – present : Research advisor for students doing their graduation thesis at Université catholique de Louvain. I also gave lab lectures for courses of the 1st and 2nd academic years.

1997 – 1999 : Research advisor for students doing their graduation thesis at Technical University of Cluj-Napoca. I also gave lab lectures for courses of the 4th, 5th and 6th academic years.

SKILLS

- Good organization and capacity to respect the deadlines.
- Experience to work within a large and multicultural group.
- Good communication skills.

HOBBIES : Jogging, Squash, Basketball, Excursion

REVIEWER OF SCIENTIFIC PAPERS

- Euro-Par, Aug-Sept 2004. (2 papers)
- IEEE P2P, Int. Conf. on Peer-to-Peer Computing, Aug 2004. (5 papers)

REFERENCES

- Peter Van Roy `pvr@info.ucl.ac.be` : Professor at the Computer Science Department, Université catholique de Louvain, Belgium.
- Erik Klintskog `erik@sics.se` : Researcher at the Distributed Systems Laboratory, Swedish Institute of Computer Science, Sweden.

PUBLICATIONS (SELECTED)

B.Carton and V.Mesaros. Improving the Scalability of Logarithmic-Degree DHT-based Peer-to-Peer Networks. In Proc. of Euro-Par, Italy 2004.

V. Mesaros, B. Carton, and P. Van Roy. S-Chord: Using Symmetry to Improve Lookup Efficiency in Chord. In Proc. of International Conference on Parallel and Distributed Processing Techniques and Applications, USA 2003.