

Residence « Oxford »  
Saint-philippe 85 Rue Henri Poincare  
06410, Sophia-Antipolis ; FRANCE

## Personal

**Born:** 11/10/1980 Hungary  
**Citizenship:** Hungarian  
**Phone:** +36 70 70 875 90  
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## Skills

### Communication and organization

- Strong interpersonal skills
- Excellent team player
- Effective problem-solving skills
- Able to handle a wide variety of tasks
- Successfully work under pressure
- Manage divers responsibilities

### Professional

- Strong informatics and mathematical background
- Successful teaching background
- Wide image segmentation knowledge
- 3 years remote sensing imagery background
- Interest and work on nanotechnology and medical imaging
- Expert in motion detection and robotics
- Expert at coding and development
- Microelectronic and signal processing bases

### Programming, environments, OS

language/OS	expert	last usage
C/C++/Pascal	8 years	currently
Java/SQL	3 years	4 years ago
Matlab/latex	4 years	currently
Windows	12 years	currently
Unix/Linux	8 years	currently

### Languages

	level	last usage
Hungarian	mother tongue	
English	fluent	currently
German	fluent	5 years ago
French	basic	currently

### Driving license

type-B, obtained 1998

## Activities

### Publications

[www.inf.u-szeged.hu/~hpke/publications](http://www.inf.u-szeged.hu/~hpke/publications)

### Teaching

2004-2007	Introduction to Pascal and C Programming; Master thesis co-supervision
2003-2005	Digital Image Segmentation
2003-2004	Programming Languages
2001-2003	Introduction to Informatics
2001-2003	Algorithms and Data Structures

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# Peter HORVATH



## Motivation

I am looking for a semi-research position which utilizes my professional skills and encourages me to develop new ones. I am open to travel and make arrangements with partners. I am a fast learner who is willing to learn any required systems and applications and I have proven ability to work independently.

## Education

- INRIA (ARIANA Research Group), Sophia Antipolis, France; University of Szeged, Hungary (2004-2007) PhD in image processing, defense expected in December 2007
- Technical College, Budapest, Hungary (2001-2004) Electrical Engineer, in process
- University of Szeged, Hungary (1999-2004) Master degree in Computer Science, spec. in Image processing and Artificial intelligence
- Táncsics Mihály High School, Orosháza, Hungary (1991-1999) High-school graduation

## Grants

- 2006-2007 12 months PhD Grant at INRIA, Sophia Antipolis, France Supported by the French Government
- 2005 6 months PhD Grant at INRIA, Sophia Antipolis, France Supported by the IMAVIS EU project, Marie Curie Fellowship
- 2004 Ph.D. Grant in Image Processing at University of Szeged, Hungary
- 2003 5 months CEEPUS (Central European Exchange Program for University Studies) Johannes Kepler University, Linz, Austria

## Invited talks

- 2006 • Hungarian Forest Inventory, Hungary
- Johannes Kepler University Linz, Austria
- University of Montpellier, France
- Pondicherry University, India

## Projects

- 2004-2007 Image segmentation using shape priors; Introduced a novel active contour-based shape representation and segmentation method, and implemented it in C++ and Matlab. Applied the method to aerial and satellite images (INRIA ARIANA Research Group; University of Szeged)
- 2003-2004 Segmentation using color and motion; Developed active contour- based segmentation models and implemented them in C++. Introduced a real-time motion tracking robot (Image Processing and Computer Graphics Department, University of Szeged)
- 2002 Speech recognition system; Developed a Hungarian language database for Speech recognition (Artificial Intelligence Group, University of Szeged)