

Thi Thanh Hai TRAN

Ph.D in Computer Vision
Engineer in Computer Science

Born : in Nov. the 2nd 1978
Cityzenship : Vietnamese

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EDUCATION

2006 : Ph.D in Mathematique, Sciences et Technologies de l'Information Institut National Polytechnique de Grenoble.
2002 : Master's degree in Imagerie Vision Robotique. Institut National Polytechnique de Grenoble.
2001 : Engineer's degree in Computer Science. Institut Polytechnique de Hanoi, Vietnam.
1996 : Bachelor's degree, Chi Linh College, Haiduong, Vietnam.

PROFESSIONAL EXPERIENCES

09/2008 - 12/2008 : R&D in Image processing
DxO Labs : Image enhancement Software, France, 100 people.
Project : *Development of color calibration module, applied in image processing process*

06/2007 - 08/2008 : R&D in People Tracking
Commissariat à l'Energie Atomique (CEA), France, 5000 people.
Project : *Software for Observation of Vulnerables (project LOVE)*

04/2006 - 03/2007 : R&D in Augmented Reality
Lagadic team, IRISA, Rennes, France, 500 people.
Project : *Augmented Reality in urban environment (colaboration with France-Telecom)*

11/2002 - 03/2006 : R&D during my Ph.D
Prima team, GRAVIR laboratory, INRIA Rhône-Alpes, France
Subject : *Studies of natural interest lines for object representation in computer vision (project DETECT, CAVIAR)*

03/2002 - 09/2006 : Internship at GRAVIR Lab., INRIA Rhone-Alpes, France
Subject : *Visual Feature Extraction*

02/2001 - 06/2001 : Training course at Information Technology Fac., Hanoi University of Technology
Subject : *Blind source separation*

RESEARCH ACTIVITIES

(research works are validated by pubs. at conf. in computer vision, artificial intelligence, computer science, etc.)

Pedestrian tracking from moving camera
Keypoints matching : ICRA'07
Visual features detection : ACCV'04, RIVF'05, RIVF'04, RIVF'03
Object representation : ICTACS'06, IWSS'06
People detection : LNCS'06
Text detection : LNCS'05

TECHNICAL SKILLS

Programming : C/C++, VC (4 years of programming under linux, 2 years under Windows), Scheme, Java, VB
OS : Unix, Linux, Windows
Tools : Latex, Gnuplot, Geomview, VXL libraries, VRML, SourceSafe, Cmake, Photoshop, DxOAnalyzer
Developed algorithms : Morphological operations, image segmentation, neural network, Kalman filter, Gaussian filter, PCA, PCA-SIFT, SIFT, Clustering (Kmeans, QT), image matching, pose computation, data fusion, graph matching, etc.

AWARDS

Shopybox the most credible project prize, Innovative projects for creating, Doctoriales 2005
Best paper prize of Computer Vision section, 3rd International Conference in Computer Science RIVF'05, 2005
Best paper prize, 1st International Conference in Computer Science, RIVF'03, 2003
AUPELF Fellowship for the 1st raking in her class at Hanoi University of Technology, Vietnam, 2001

LANGUAGES

- French : bilingual (5 years of learning at university + 7 years of residence in France).
- English : fluent (many conferences, seminars and presentations in english)

INTERESTS

Tourism : France, Belgium, Germany, Italy, Spain, Luxembourg, Netherlands, Switzerland, UK, Korea
Reading, music