Curriculum Vitae

François-Xavier Espiau

PERSONAL DATA :

Date of birth : December 24^{th} 1973
Place of birth : Nantes (44), France
Nationality : French
Marital Status : Married
Professionnal address :
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EDUCATION :

2002 : Ph. D. Degree, Université de Nice Sophia-Antipolis, supported by IFREMER (French Research Institute for Exploitation of the Sea)
Ph. D. Dissertation : "Métrologie 3D par vision active sur des objets naturels sous-marins" (3D metrology using active vision using underwater natural objects)
Research interests : Early vision in natural environment, computer vision, matching, projective reconstruction

1998 : DEA in Robotics and Computer Vision (M. Sc. Degree), "Reconnaissance et modélisation d'objets à partir de séquences d'images" (Object Recognition and Modelisation through image sequences), Advisor : C. Schmid, INRIA Montbonnot, MOVI Project.

1997 : French military service as a scientist in the french research ministry

1996 : "Maîtrise" in Applied Mathematics and Computer Science, "Modélisation de la marche humaine par réseaux d'ondelettes" (Human Walk Modelisation using Wavelet Netwoks) Advisor : B. Espiau, INRIA Montbonnot, BIP Project.

PROFESSIONAL EXPERIENCES

1998-2002 : Graduate Research Fellow, INRIA, Sophia-Antipolis, France
Research projects in computer vision for robotic applications in natural environments.
Research directors : P. Rives and V. Rigaud

1999-2000 : Instructor at University of Nice Sophia-Antipolis
Desktop applications : Excel, HTML, PowerPoint. (Bachelor Sc. level)
Statistics and Probability (Master Sc. level)

PUBLICATIONS

F.X. Espiau, E. Malis and P. Rives, *Robust features tracking for robotic applications : towards $2\frac{1}{2}D$ visual servoing with natural images*, in "2002 IEEE International Conference on Robotics and Automation,Washington D.C., may 2002, USA"

F.X. Espiau and P. Rives, *Extracting robust features and 3d reconstruction in underwater images*, in "OCEANS 2001 MTS/IEEE Conference, Honolulu, november 2001, USA"

F.X. Espiau, *Extraction de points robustes dans des images naturelles complexes, (Extraction of robust features in natural images)*, in "13ème Journées des Jeunes Chercheurs en Robotique, (French workshop for young researchers in robotics), Rennes, september 2000, France"

F.X. Espiau, E. Cordier and B. Espiau, *Wavelet networks : an efficient tool for handling gait kinematic data*, in "Third International Symposium on Computer Methods in Biomechanics and Biomedical Engineering", Barcelona, May 1997, Spain

COMPUTER SCIENCE EXPERTISE

Operating systems : Linux/Unix, Ms-Dos, Windows
Programming languages : C++, C, Scheme
Scientific softwares : Scilab, Matlab, Maple
Miscellaneous : LaTeX, QT, Microsoft Office, HTML, MySQL

OTHER INFORMATIONS

Member of Amnesty International
Writer in a french Linux magazine
Linux user and former president of a Linux User Group
Rock climber and alpinist
Independent rock music and cinema fan, photography