

CURRENT POSITION

03/2008 – 09/2008 **Philips Healthcare Research, Paris, France**
Research Project for Master Thesis
Topic: Development of classifiers and machine learning methods for object detection in catheter ablation for patients with cardiac arrhythmias.

EDUCATION

10/2007 - 09/2008 **Université Pierre et Marie Curie (Paris VI), France**
Master expected for 09/2008: Master *Sciences de l'Ingénieur (Informatique Industrielle et Systèmes Automatisés)*

09/2003 - 09/2007 **Integrated French-German university program**

Final Degrees: • 09/2007: Diplom-Ingenieur Elektrotechnik (FH) and maîtrise (Génie des systèmes industriels), final Score 2.0
• 06/2006 :Bachelor/Licence EEA. Final Score: 12.47/20

Diploma thesis: 04/2007 – 09/2007, Surgical Planning Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, USA: Topic: Development of software for MRI-guided and robot-assisted needle positioning in soft tissue for prostate cancer biopsy and treatment (C++). Final Score: 1.0

Place of Study: • 10/2004 - 08/2005 and 10/2006 - 09/2007:
Saarland University Of Applied Science (HTW), Germany
• 09/2003 - 06/2004 and 09/2005 - 06/2006:
Université Paul Verlaine de Metz, France

09/1992 - 06/2001 **Humboldt Gymnasium, Düsseldorf**
Baccalaureate with major in Mathematics and Geography.
Final Score: 2.4

ACADEMIC REFERENCES

Prof. Véronique Perdereau Université Pierre et Marie Curie – Paris VI
veronique.perdereau@courriel.upmc.fr - 0033 1 44 27 62 11

Prof.Dr.-Ing. D. Brück HTW des Saarlandes
brueck@htw-saarland.de – 0049(0)681 58 67-216

Nobuhiko Hata, Ph.D. Harvard Medical School - Surgical Planning Laboratory
hata@bwh.harvard.edu – 001 617 732 5809

PAST POSITIONS

- 11/2006 - 03/2007
&
11/2004 - 08/2005 **Institute for future energy systems / Test Center Saarbrücken connected to the Saarland University of Applied Science**
Assistant scientists. Coding for measurement data evaluation and statistic measurement data evaluation (R, VBA)
- 07/2006 -10/2006 **Procter&Gamble France**
Intern: "Engineering and HS&E Department". Electrical Update of safety installations, Safety-Monitoring
- 04/2003 - 05/2003 **Surgical Planning Lab, Brigham and Women's Hospital, Harvard Medical School, Boston, USA**
Intern: Databases (PHP, SQL)
- 11/2001 - 12/2002 **NGO Solar Energy for West Africa - Ouagadougou / Burkina Faso**
National service

COMPUTER SKILLS / LANGUAGE SKILLS

Languages	C/C++, VB, Basic, Assembler, PHP, SQL, CSS, Java
Software / OS	Matlab, Maple, PSPICE, VHDL, Agilent 7.0, R, 3D Slicer, Unix / Linux, R, Eclipse, Bouml, Windows, Unix, Office, Visual Studio
German	native language
French	Fluent (work/study experience abroad > 3.5 years)
English	Fluent (work/study experience abroad > 6 month)

AWARDS

- 04/2007 – 09/2007 **German Academic Exchange Service (DAAD)**
Scholarship for Diploma Thesis (North America Section)
- 12/2005 – 09/2006 **Robert Bosch Foundation**
Scholarship for a Project Management Workshop – *Das Kolleg*

PUBLICATIONS

- [1] Mewes PW , DiMaio SP, Fischer G, Csoma C, Gobbi, DG, Tempany C, Fichtinger G, Hata N. An Integrated MRI and Robot Control Software System for an MRI-compatible Robot in Prostate Intervention. Accepted for publication in IEEE International Conference of Robotics and Automation; 2008;
- [2] Gregory S. Fischer II, Csaba Csoma, Junichi Tokuda, Philip W. Mewes, Clare M. Tempany. Pneumatically Operated MRI-Compatible Needle Placement Robot for Prostate Interventions. Accepted for publication in IEEE International Conference of Robotics and Automation; 2008;