

Curriculum Vitæ



Personal information

Surname / First name GUERQUIN-KERN, Matthieu

Nationalities Swiss and French

Date of birth 1983

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Education

2007	PhD student at the Biomedical Imaging Group	EPFL - Switzerland
2006-2007	Master of Sc. in Applied Mathematics: Mathematics, Vision, Learning, with honours	ENSC - France
2005-2006	Preparation year for a French high-level entrance exam for teaching applied physics (<i>Agrégation de Sciences Physiques, option physique appliquée</i>), ranking : 7/414	ENSC - France
2004-2005	Master's degree in Electrical and Electronics Engineering, first year, with honours	Paris XI - France
2003-2004	Bachelor of Sc. in Electrical and Electronics Engineering, with honours	Paris XI - France

Research Experience

summer 2007	Wavelet-based de-noising methods for the solution of variational problems. Abstract available on http://bigwww.epfl.ch/teaching . Supervisors: Michael Unser and Cédric Vonesch	EPFL - Switzerland
summer 2005	Non separable 2D wavelet design using polyharmonic B-splines. Abstract available on http://bigwww.epfl.ch/teaching . Supervisors: Michael Unser and Dimitri Van De Ville	EPFL - Switzerland

Teaching Experience

2007-2008	Teaching assistant for the "Signal and System" course of M. Unser	EPFL – Switzerland
2006-2007	Teaching assistant in Physics for students preparing entrance exam to french Engineering Schools	Massy - France
2006	Passed the french entrance exam for beeing physics teacher: " <i>Agrégation</i> de Physiques option physique et électricité appliquées	ENSC - France
2004	Short-term Physics teaching for 10th Grade students	Orsay - France

Computer Skills

Operating systems	Linux, Mac OS, Windows
Programming languages	C/C++
Office automation	L ^A T _E X, OpenOffice, Microsoft Office
Calculation software	Matlab, Maple

Languages

French	Mother tongue
English	3 years in United-States, 745 points in TOEIC
German	basics

Hobby

I like to practice paragliding, ski touring, handball and rock-climbing.