

# Zuqi Tang

## Curriculum Vitae

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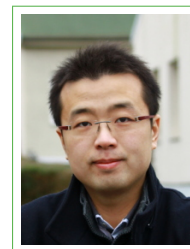
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### Current situation

**Postdoctoral fellow**, INRIA-PARIS-ROCQUENCOURT AND UNIVERSITÉ PIERRE ET MARIE CURIE in collaboration with Prof. *Martin Vohralík* (POMDAPI, INRIA) and *Frédéric Hecht* (LJLL, UPMC)

◦ *Adaptive Stopping criteria for linear/nonlinear solvers*

◦ *Development in Freefem++ (in C++)*

**website:** <https://who.rocq.inria.fr/Zuqi.Tang/>

### PROFESSIONAL EXPERIENCES

2013–2014 **Postdoctoral fellow**, INRIA-PARIS-ROCQUENCOURT AND UNIVERSITÉ PIERRE ET MARIE CURIE

2012–2013 **Postdoctoral fellow**, UNIVERSITY OF LILLE 1

2009–2012 **Member in the team SIMPAF**, INRIA LILLE-NORD EUROPE

2009 **Research internship**, EDF RECHERCHE AND DÉVELOPPEMENT, CLAMART

### EDUCATION

2009–2012 **Ph. D. thesis in Electrical Engineering**

L2EP (Laboratory of Electrical Engineering and Power Electronics) and LPP (Laboratory of Mathematics Paul Painlevé), UNIVERSITY OF LILLE 1

Titre: ” *Residual a posteriori error estimators in finite elements for the resolution of electromagnetic problems in potential formulations*”

**Committee:** *Jean-Louis Coulomb, Patrick Dular, Francesca Rapetti, Yvonnick Le Menach, Serge Nicaise, Pascal Omnes, Emmanuel Creusé, Francis Piriou*

◦ *Develop Code\_Carmel of finite element method written in FORTRAN*

◦ *Develop some residual based error estimators for electromagnetism problem*

◦ *Apply the error estimator to improve the results in computations of induced current in human body, in nondestructive testing, and in eddy current testing*

2007–2009 **M.S. in Applied Mathematics**, UNIVERSITY OF LILLE 1

2003–2007 **B.S. in Fundamental Mathematics**, WUHAN UNIVERSITY, CHINA

### COMPETENCIES AND SKILLS

**Programming language:** C, C++, Fortran

**Software:** Matlab, Scilab, Maple

**Platform of Simulation:** ANSYS MAXWELL, Salome, Flux, Freefem++, FEMM, Carmel

**OS:** Linux, Windows

**Languages:** Chinese: Native Language

French: Fluent

English: Fluent