CURRICULUM VITAE

PERSONAL CONTACT

Full name:	THE-CANG NGUYEN
Date of birth:	February 09, 1987
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CITIZENSHIP

Vietnamese

RESEARCH INTERESTS

My current research interests are in *Partial Differential Equation, Geometric Analysis* and *Mathematical General Relativity.*

EDUCATION

- **2012 - 2015:** Ph.D. of LMPT, Université François-Rabelais, Tours, France
  Thesis title: Construction of Solutions to the Einstein Constraint Equations and Comments on the Positive Mass Theorem
  Advisors: Emmanuel Humbert and Romain Gicquaud
- **2011 - 2012:** Master of Science in Applied Mathematics, University of Orléans, France
  Dissertation title: Scattering for the $\dot{H}^1$-Critical Schrödinger Equation
  Advisor: Luc Molinet
- **2005 - 2009:** B.Sc. in Mathematics, Quy Nhon University, Quy Nhon City, Vietnam.

PUBLICATIONS

1. *Applications of fixed point theorems to the vacuum Einstein constraint equations with non-constant mean curvature,* to appear in **Ann. Henri Poincaré** (2015), arXiv:1405.7731v2.

2. *Nonexistence and nonuniqueness results for solutions to the vacuum Einstein conformal constraint equations,* arXiv:1507.01081v2

3. (join work with Romain Gicquaud) *Solutions to the Einstein-scalar field constraint equations with a small TT-tensor,* accepted in **Calc. Var. Partial Differential Equations**, arXiv:1502.05164v1

4. *Existence and Nonuniqueness Results for Solutions to the Einstein-Scalar Field Conformal Constraint Equations,* preprint

5. *Comments on the Positive Mass Theorem,* preprint.

INVITED TALKS

- **September 2015:** FRG Workshop 7 on Analysis of the Einstein Constraint Equations, University of Alaska Fairbanks, USA

- **July 2015:** Oberwolfach Workshop on Mathematical Aspects of General Relativity
- **November 2014:** Ph.D student's seminar of University of Orléans and University of Tours.

Awards

- 2005 - 2008: Government's Scholarships for outstanding undergraduate student academic years
- 2007 - 2008: Second and third prize in the Student Mathematics Olympics Vietnam: 2007-2008
- 2006 - 2007: VALLET's Scholarships of the Rencontres Du Vietnam
- 2006 - 2007: First and second prize in the Student Mathematics Olympics Vietnam
- 2005 - 2006: Encouraged prize in the Student Mathematics Olympics Vietnam.

References

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