Giao Ky DUONG
Curriculum Vitae

PERSONAL DETAILS

Birth	November 20, 1991
Address	1 rue Frederic Joliot Curie, 93430, Villetaneuse, France
Phone	(+33) 751513652
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Nationality	Vietnamese

EDUCATION

Licence education   2009-2013
An Giang University

- Pedagogy of Mathematics
- Supervisor of the thesis: **Thanh Tai VO**, An Giang University

Master education   2014-2016
Cooperation between Institute of Mathematics of Vietnam and Paris 13 University

- Master I: Institute of Mathematics of Vietnam, 2014 - 2015, Mathematics
- Master II: Paris 13 University, 2015 - 2016, Mathematics (Partial differntial equations)
- Supervisor: **Hatem ZAAG,** Paris 13 University

PhD education   2016 - present
Paris 13 University

- Mathematics: Partial differential equations
- Supervisor: **Hatem ZAAG,** Paris 13 University

WORK EXPERIENCE

Student monitoring   2013-2015
An Giang University

Student monitoring   2017-present
Paris 13 University

SKILLS

Languages	Vietnamese (mother tongue)
	English (fluent)
	French (fluent)
Software	MATLAB, LaTeX

RESEARCHS AND PUBLICATIONS

Researchs

- Scientific research for student, 2012:

  Theory and applications of Fourier series

- Student graduate thesis, 2013:

  Riemann - Stieltjes integral and applications

- Mater thesis, 2016:

  The blowup profile for semi-linear heat equations

- Subjet of PhD thesis:

  Finite time singularity formations for non Symmetric or Variational partial differential equations

- Interested fields: Finite time singularity formations for evolution equations, quenching phenomenon for MEMs devices, fluid mechanics and physical mathematics.

Publications

[1] Construction of a stable blowup solution with a prescribed behavior for a non-scaling invariant semilinear heat equation, *Tunisian J. Math.* 1 (to appear 2019) 13-45.

[2] Profile for the imaginary part of a blowup solution for a complex-valued seminar heat equation, **arxiv:1712.07183,** submitted, 2017.

[3] A blowup solution of a complex semi-linear heat equation with an irrational power, **arxiv:1804.00560,** submitted, 2018.

[4] G.K. Duong and H. Zaag. Profile of touch-down solution to a nonlocal MEMS model, **arxiv:1811.11483**, submitted, 2018

CONFERENCES AND SCIENTIFIC CONGRESS

1 Journées Jeunes EDPistes 2017, 03/2017, Autrans, France

2 French-American Conference on Nonlinear Dispersive PDEs, 06/2017, Luminy, Marseille, France

3 15th School on Interaction between Dynamical Systems, and Partial Differential Equations, 07/2017, Barcelona, Spain: **Poster**

4 VIe Colloque EDP-Normandie, 10/2017, Caen, France: **Poster**

5 Recent Trends in PDE, 01/2018, London, UK

6 Master class, 01/2018, Strasburg, France

7 Asymptotic analysis of dispersive partial differential equations, 05/2018, Florence, Italia: **Oral presentation**

8 The 9th Vietnam Mathematical Congress, 08/2018, Nha Trang, VietNam: **Oral presentation**

PRIZE AND SCHOLARSHIP

Prize

- The National Olympiad of Mathematics for student of Universities in Vietnam: the 3rd prizes in 2011, 2012 and 1st in 2013

- Awarded the "An Giang Talent 2013"

Scholarship:

- Fondation Sciences Mathématiques de Paris: For Master II at Paris 13 University, 2015-2016

- The program INSPIRE which has received funding from the European Unions Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 665850.