PERSONAL DETAILS

Birth	September 1, 1990
Address	Chase Building,Office 354, Dalhousie University, Halifax, B3H 4J5
Phone	(902) 830-3678
Email	xies@mathstat.dal.ca
Work	PhD student in Dalhousie
Advisor	Prof Theodore Kolokonikov

EDUCATION

Doctor of Philosophy, Mathematics. 2013-now
Dalhousie University
Visiting Student, Mathematics 2015-2016
University of British Columbia
Master of Science, Mathematics. 2010-2012
Wuhan University
Bachelor of Science, Mathematics. 2006-2010
Wuhan University

PUBLICATIONS

2015 **Oscillations of many interfaces in the near-shadow regime of two-component reaction-diffusion systems, DCDS-B,** with T. Kolokonikov

2015 **Drunken robber, tipsy cop: First passage times, mobile traps, and Hopf bifurcations, Physical Review E,** with J.C. Tzou and T.Kolokonikov

2016 **Moving and jumping spot in a two dimensional reaction-diffusion model, submitted to Nonlinearity** with T. Kolokonikov

2016 **The stability and slow dynamics of localized spot patterns for the 3-D Schnakenberg reaction-diffusion model, SIAM J. Appl.** With J.C Tzou, T.Kolokonikov and M.J. Ward

MASTER THESIS

Title	*Applications of Moving plane method on PDE*
supervisor	*Wenyi Chen*

TEACHING EXPERIENCE

Instructor 2012 Spring
Differential Equations
    Hubei University of Education
Teaching Assistant 2013 -now
 MathStats departments Learning center tutor and course tutorial
    Dalhousie University
Instructor 2015 Summer

Math 2120: Method for Ordinary Differential Equation
    Dalhousie University

SCHOLARSHIP

Graduate Scholarships from Dalhousie 2013-2017
NSGS Scholarship 2016-2017

RESEARCH INTERESTS

Asymptotic analysis
Pattern formation
Mean First Passage Time
Dynamic system

CONFERENCE ACTIVITY

- Mean first passage time and Hopf bifurcation in reaction diffustion system. SIAM Conference on Applications of Dynamical Systems, Snowbird, Utah, USA, May 2015.

- Jumping and Moving spot in reaction diffusion system. BIRS workshop on Coherent Structures in PDEs and Their Applications (16w5050), Oaxaca, Mexico, June 2016.