

Curriculum Vitae

Personal Details:

Name: Wen-Kai Wang
Nationality: Taiwanese

Date of Birth: 13/04/1979
Email: ww83@st-andrews.ac.uk

Educational Background:

**2009: PhD in Economics and Finance, School of Economics and Finance, University of St Andrews, United Kingdom.*

Thesis: Application of Stochastic Differential Game Theory and Real Option Theory in Environmental Economics

2003: Applied Mathematics Department, National Chiao Tung University, Taiwan.

Dissertation: Tight Bounds on Grover-Based Quantum Search Algorithms

Degree: Master in Mathematics

2001: Mathematics, Pure Mathematics Division, Chung Yuan Christian University, Taiwan.

Degree: Bachelor in Mathematics

** It would be the last year of my PhD study.*

Work Experience:

2001-2003: Teaching Assistant in Calculus, National Chiao Tung University, Taiwan.

Research Interests:

Differential Game Theory, Real Option Theory, Stochastic Optimal Control Problem.

Language Skills:

Taiwanese (native), Mandarin (native), English (fluent)

IT Skills:

Working Papers:

1. Anti-Pollution Protest and Investment in Pollution Abatement Facilities (joint with Dr Kannika Thampanishvong and Ms Walailuck Chavanasporn, going to present in CESifo Venice Summer Institute 2009 workshop)
2. Analytic Solution for Infinite Horizon Stochastic Optimal Control Problem via Finite Horizon Approximation: A Practical Guide (joint with Dr Christian-Oliver Ewald)
3. What Take Citizens to the Streets Instead of Ballot Boxes? Model of Dynamic Provision of Public Goods under the Threat of Protest (joint with Dr Kannika Thampanishvong, submitted to Public Choice)
4. Sustainable Yields in Fisheries: Uncertainty, Risk-Aversion and Mean-Variance Analysis (joint with Dr Christian-Oliver Ewald, submitted to Fish and Fisheries)
5. A Stochastic Differential Fishery Game for a Two Species Fish Population with Ecological Interaction (joint with Dr Christian-Oliver Ewald, revised for resubmitted to Journal of Economic Dynamics and Control)
6. Dynamic Voluntary Provision of Public Goods with Uncertainty: A Stochastic Differential Game Model (joint with Dr Christian-Oliver Ewald, submitted to Decision of Economics and Finance).
7. Irreversible Investment with Cox-Ingersoll-Ross Type Mean Reversion (joint with Dr. Christian-Oliver Ewald, revised for resubmitted to Mathematical Social Science)
8. The Value of Full Information and Comparative Statics: A Continuous Time Market Model with Partial Information and Log-Utility from Terminal Wealth (joint with Dr Christian-Oliver Ewald and Dr Zhaojun Yang)

**Some of my working papers can be downloaded on SSRN.*

Extra-Curricula Activities:

1. Brown Bag seminar in School of Economics and Finance, University of St Andrews (03/2008)
Present paper: A Stochastic Differential Fishery Game for a Two Species Fish Population with Ecological Interaction
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Sponsor or Scholarship for PhD:

1. Bursaries from University of St Andrews (2007-2009). Amount: £3315 per year.