

**Kimberly M. Burnett**  
**Curriculum Vitae**

**Office**

University of Puget Sound  
Department of Economics  
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**Education**

University of Hawaii, Ph.D., Economics, May 2007  
University of Hawaii, M.A., Economics, December 2004  
Loyola University New Orleans, B.B.A, *magna cum laude* Economics, 1998

**Research and Teaching Fields**

Resource Economics, Environmental Economics, Applied Microeconomics, Microeconomics

**Professional Experience**

Assistant Professor, July 2007 – present  
Department of Economics  
University of Puget Sound

Research Assistant, June 2004 – July 2007  
*Integrating Prevention and Control of Invasive Species*  
(Funding agency: USDA/ERS/PREISM)  
*Optimal Public Control of Exotic Species*  
(Funding agency: USFWS/Pacific Islands)  
University of Hawaii, Department of Economics

Project Manager, June – September 2005  
*High School Economics Case Study Project*  
Hawaii Council on Economic Education

Instructor, Spring semester 2005  
*Environmental Economics*  
University of Hawaii, Department of Economics

Research Assistant, <i>Economics of Managing Invasive Species</i> (Funding agency: USDA – TSTAR) University of Hawaii, Department of Natural Resources and Environmental Management	2003-2004
Conference Development Consultant, Hawaii Council on Economic Education	May – September 2003
Teaching Assistant, <i>Applied Calculus for Business and Economics</i> University of Hawaii, Department of Natural Resources and Environmental Management	2002-2003
Instructor, <i>Principles of Microeconomics</i> University of Hawaii, Department of Economics	Summer semester 2002
Teaching Assistant <i>Principles of Microeconomics</i> University of Hawaii, Department of Economics	2001-2002

**Awards**

2006 University of Hawaii Arts & Sciences Advisory Council Travel Grant, \$1800

2006 National Science Foundation Student Travel Award to Ecological Society of America Meetings in Merida, Mexico, \$500

2005 University of Hawaii Arts & Sciences Advisory Council Travel Grant, \$1500

2005 University of Hawaii Graduate Division Dai Ho Chun Travel Award, \$1000

**Publications**

Burnett, K, S. D’Evelyn, B. Kaiser, P. Nantamanasikarn and J. Roumasset. 2007. “Beyond the Lamppost: Optimal Prevention and Control of the Brown Tree Snake in Hawaii,” *Ecological Economics*, in press.

Burnett, K, B. Kaiser and J. Roumasset. 2007. Economic Lessons from Control Efforts for an Invasive Species: *Miconia calvescens* in Hawaii, *Journal of Forest Economics*, in press.

Burnett, K, B. Kaiser and J. Roumasset. 2007. Invasive Species Control over Space and Time: *Miconia calvescens* on Oahu, Hawaii. *Journal of Agricultural and Applied Economics*, in press.

D'Evelyn, S, N. Tarui, K. Burnett, and J. Roumasset. 2007. Uncertain Populations and the Value of Information. *Journal of Environmental Management*, in press.

Roumasset, J., K. Burnett, and H. Wang. 2007. Environmental Resources and Economic Growth, Chapter 8 in: *China's Economic Transition: Origins, Mechanism, and Consequences*. Cambridge University Press, in press.

Kasier, B., B. Pitafi, J. Roumasset, and K. Burnett. 2007. The Economic Value of Watershed Conservation, in *Land Management Impacts on Coastal Watershed Hydrology* (eds. A. Fares and A. El-Kadi). WIT Press, Southampton, U.K, in press.

Burnett, K. 2006. Introduction of Invasive Species: Failure of the Weaker Link. *Agricultural Resource Economics Review* 35(1): 21-28.

Burnett, K., B. Kaiser, B. Pitafi, and J. Roumasset. 2006. Prevention, Eradication, and Containment of Invasive Species: Illustrations from Hawaii. *Agricultural and Resource Economics Review* 35(1): 63-77.

Kaiser, B. and K. Burnett. 2006. Economic Impacts of E. Coqui Frogs in Hawaii *Interdisciplinary Environmental Review* 8(2) 1-11.

Kaiser, B., K. Burnett, and J. Roumasset. 2006. Control of Invasive Species: Lessons from Miconia in Hawaii. 15th Australian Weeds Conference: Papers and Proceedings, Adelaide, South Australia. Council of Australian Weeds societies, C. Preston, J.H. Watts, and ND Crossman, eds. pp 663-667.

Levin, P., R.Cowie, C. Ferguson, J. Taylor, K. Hayes, K. Burnett, and C. Tran. 2006. Apple Snail Invasions and the Slow Road to Control: Ecological, Economic, Agricultural and Cultural Perspectives in Hawaii, in *Global Advances in Ecology and Management of Golden Apple Snails* (ed. R.C. Joshi). Philippine Rice Research Institute, Muñoz, Nueva Ecija.

### **Conference presentations**

Delaying the Catastrophic Arrival of the Brown Treesnake to Hawaii, with J. Roumasset and Y. Tsur. European Association of Environmental and Resource Economists Annual Conference, Thessaloniki, Greece, June 27-30 2007.

Spatial Economic Analysis of Early Detection and Rapid Response Strategies for an Invasive Species, with B. Kaiser. Environmental Protection Agency's "Valuation for Environmental Policy: Ecological Benefits" Workshop, Washington, D.C., April 23-24, 2007. Proceedings available at <http://yosemite.epa.gov/ee/epa/erm.nsf/vwRepNumLookup/EE-0505?OpenDocument>

Integrating Prevention and Control of the Brown Treesnake in Hawaii: Embracing Uncertainty. Brown Treesnake Working Group Technical Meeting. Tumon Bay, Guam, April 17-19, 2007.

The Curse of Paradise, with J. Roumasset. Seminar on La Inmigracion Irregular. Tenerife, Canary Islands, March 29, 2007.

Searching Under the Lamppost: Optimal Interdiction and Removal of the Brown Treesnake in Hawaii, with S. D'Evelyn, B. Kaiser, and P. Nantamanasikarn, and J. Roumasset. BIOECON Conference at Kings College Cambridge, August 29-30, 2006

Environmental Policy Issues for Sustainable Economic Development in China, with J. Roumasset, 26<sup>th</sup> Conference of International Association of Agricultural Economists, Queensland, Australia, August 12-18, 2006

Control of Invasive Species: Lessons from Miconia in Hawaii, w/ B. Kaiser and J. Roumasset, American Agricultural Economics Association Annual Meeting, Long Beach, CA, July 23-26, 2006

Economic Impacts of Coqui Frogs in Hawaii, with B. Kaiser. American Agricultural Economics Association Annual Meeting, Long Beach, CA, July 23-26, 2006

Searching Under the Lamppost: Optimal Interdiction and Removal of the Brown Treesnake in Hawaii, with S. D'Evelyn, B. Kaiser, and P. Nantamanasikarn, and J. Roumasset. 3<sup>rd</sup> World Congress of Environmental and Resource Economists, Kyoto, Japan, July 3-7, 2006

Economic Impacts of Coqui Frogs in Hawaii, with Brooks Kaiser and Will Pitt. Ecological Society of America's *Ecology in an Era of Globalization* Meeting, Merida, Mexico, January 8-12, 2006. Published abstract available online at <http://abstracts.co.allenpress.com/pweb/esai2006/document/?ID=59145>

2005 Economic Education Case Study Project: Lessons from the Field, with Michael Kimmitt. 3<sup>rd</sup> Annual Economic and Financial Literacy Conference, Learning for Life, Honolulu, HI, November 8 2005. Published abstract and paper available online at <http://www.hawaii.edu/hcee/downloads/2005.research.complete.pdf>

Impacts of Apple Snails on Taro Culture in Hawaii: Predictors for Aquatic Invasive Species Control Choices, with Penny Levin, Robert Cowie, Carol Ferguson, Justin Taylor, Kenneth Hayes, and Chuong Tran. Hawaii Conservation Conference (poster session), Honolulu, HI, July 28-29 2005. Published abstract available online at [http://www.hawaii.edu/scb/docs/formats/pdf/2005\\_abstracts.pdf](http://www.hawaii.edu/scb/docs/formats/pdf/2005_abstracts.pdf)

Provisions of Weaker Link Public Goods under Incomplete Information. Western Economic Association International Conference, San Francisco, CA, July 4-8 2005

Control of Invasive Species: Lessons from Miconia in Hawaii, with Brooks Kaiser, Basharat Pitafi, and James Roumasset. Western Economic Association International Conference, San Francisco, CA, July 4-8 2005

Integrating Prevention and Control of Invasive Species: Brown Treesnake, with Brooks Kaiser, Basharat Pitafi, and James Roumasset. Western Economic Association International Conference, San Francisco, CA, July 4-8 2005

Introductions of Invasive Species: Failure of the Weaker Link. Northeastern Agricultural and Resource Economics Association's Invasive Species Workshop, Annapolis, MA, June 14-15 2005 <http://www.farmfoundation.org/documents/EditedExecutivesummary6-05NAREAWorkshop.pdf>

Integrating Prevention and Control of Invasive Species: Lessons from Hawaii, with Brooks Kaiser, Basharat Pitafi, and James Roumasset. Northeastern Agricultural and Resource Economics Association's Invasive Species Workshop, Annapolis, MA, June 14-15 2005 <http://www.arec.umd.edu/llynch/personal%20files/invasive%20species%20workshop%20agenda%20with%20moderators2.pdf>

Environmental Resources and Economic Growth, with James Roumasset and Hua Wang. China's Economic Transition: Origins, Mechanism, and Consequences Conference, Pittsburgh, PA, November 5-7 2004. Published online at [http://www.economics.utoronto.ca/brandt/thematic\\_firstdraft.htm](http://www.economics.utoronto.ca/brandt/thematic_firstdraft.htm)

Optimal Public Control of Exotic Species: Preventing the Brown Tree Snake from Invading Hawaii, with Brooks Kaiser and James Roumasset. Hawaii Conservation Conference (poster session), Honolulu, HI, June 29-30 2004. Published abstract available online at [http://www.hawaii.edu/scb/docs/formats/pdf/2004\\_abstracts.pdf](http://www.hawaii.edu/scb/docs/formats/pdf/2004_abstracts.pdf)

Economic and Financial Education in Hawaii: Assessing the Present, Finding the Future, with Sumner La Croix, August 20 2003. 1<sup>st</sup> Annual Economic and Financial Literacy Conference, Learning for Life, Honolulu, HI, August 2003. Published abstract and paper available online at <http://www.hawaii.edu/hcee/paper.html>

### **Works in progress**

Economic Education's Rollercoaster Ride in Hawaii, 1965-2006, with Sumner La Croix

The Dog ATE my Economics Homework: The Effect of Treating Students in Hawaii's Public Schools with Economics, with Sumner La Croix

Kaiser, B. and K. Burnett. Spatial Economic Analysis of Early Detection and Rapid Response Strategies for the Invasive Species *Boiga irregularis* (Brown treesnake) on Oahu, Hawaii.

Kimmitt, M. and K. Burnett. 2006. Determinants of Success in High School Economics: Lessons from the Field

## **Professional Memberships**

Association of Environmental and Resource Economists  
American Agricultural Economics Association  
International Association of Agricultural Economists

## **Service**

Chancellor's Sustainability Council, University of Hawaii  
(Curriculum subcommittee) Spring 2006 – Spring 2007

Volunteer for 3<sup>rd</sup> Annual Economic and Financial Literacy  
Conference, Learning for Life, Honolulu, HI November 2005

Coordinator for the Applied Microeconomics Workshop  
Series, Department of Economics, Honolulu, HI Fall 2004 – Spring 2005

Volunteer for 2<sup>nd</sup> Annual Economic and Financial Literacy  
Conference, Learning for Life, Honolulu, HI November 2004

## **Skills**

Computer languages: Stata, Mathematica, ArcGIS

## References

Dr. James Roumasset, Ph.D. Advisor  
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