

Guinevere Liberty Nell  
Research Programmer & Policy Analyst

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## Education

George Mason University, doctoral program, accepted 2009  
Coursework toward degree in biochemistry and economics (2005-2008)

## Books

“Rediscovering Fire: Basic Economic Lessons from the Soviet Experiment to Eliminate the Market,” unpublished, work in progress

## Paper Presentations

“Rent-seeking, Centralization and Emergence: An Evolutionary Approach to Choice in Public and Private Sectors,” Fund for the Study of Spontaneous Orders, 2009

“The Dynamic Consequences of Public Employment : An Agent Based Approach,” (revised and updated), Economic Science with Heterogeneous Interacting Agents (ESHIA), Warsaw University of Technology, 2008

“The Dynamic Consequences of Public Employment : An Agent Based Approach,” Economic Science with Heterogeneous Interacting Agents (ESHIA), George Mason University, 2007

## Published Papers

“Rent-Seeking, Hierarchy and the Centralization: Why the Soviet Union Collapsed So Fast and What it Means for Market Economies”, *Critical Review*, forthcoming 2010

“Competition as Market Progress: an Austrian Rationale for Agent Based Modeling,” *Review of Austrian Economics*, forthcoming 2009

“Agent Based Modeling in Perl,” *The Perl Review*, 2006

## Policy Papers

“Adding Insult to Injury: The Baucus Health Plan Imposes New Taxes on the Sick,” with Robert Book and Paul Winfree, *The Heritage Foundation*, 2009

“The Baucus Individual Health Insurance Mandate: Taxing Low-Income and Moderate-Income Workers,” with Robert Book and Paul Winfree, *The Heritage Foundation*, 2009

“The "American Option" Is Good for Small Business,” *The Heritage Foundation*, 2009

“Sustainable Economic Stimulus Repeal Capital Gains and Dividend Taxes”, with Karen Campbell, *The Heritage Foundation*, 2009

“Stimulus Plan Should Include Pro-Growth Tax Relief for Families in Every State,” with Shanea J. Watkins, *The Heritage Foundation*, 2009

“How the Obama and McCain Tax Plans Will Affect America's Small Businesses,” *The Heritage Foundation*, 2008

“Coming Together on Tax Simplification: AMT and Extending the Tax Cuts,” *The Heritage Foundation*, 2008

“Economic Effects of Increasing the Tax Rates on Capital Gains and Dividends,” with William W. Beach and Rea S. Hederman, Jr., *The Heritage Foundation*, 2008

“The End of Pro-Growth Tax Policy: How the Rangel Tax Bill Could Affect the U.S. Economy,” with William W. Beach, *The Heritage Foundation*, 2008

“More H-1B Visas, More American Jobs, A Better Economy,” with James Sherk, *The Heritage Foundation*, 2008

“Free-Market Philanthropy: The Social Aspect of Entrepreneurship,” with James Sherk and Paul Winfree, *The Heritage Foundation*, 2008

“The Obama and McCain Tax Plans: How Do They Compare?,” with William W. Beach, Karen Campbell and Rea S. Hederman, Jr., *The Heritage Foundation*, 2008

## Book Reviews

Review of The Cambridge Companion to Hayek, *Review of Political Economy*, forthcoming, 2009

## Working Papers

“Prosperity and the Welfare State: The Effect of Benefit Generosity and Wage Coordination on Absolute Poverty and Prosperity in Cross-National Perspective,” *Luxembourg Income Study Working Paper No. 424*, 2005

“Comparing EITC and Minimum Wage - Comparing the Impact of the EITC and the Minimum Wage on Poverty and Employment,” for *The Rio Grande Foundation*, 2005

“The Dynamic Consequences of Public Employment : An Agent Based Approach,” 2007 and (revised) 2008.

“Socialism as Impossible: A Reassessment of Theory in Light of the Available Evidence”, 2008

“The Seed Theory of Economic Calculation: Lange Revisited,” 2008

“Flexible Pricing and the Market Process,” 2008

“Economic Calculation and Surplus Extraction: A Reply to Crampton and Farrant,” 2008

“Rent-seeking, Centralization and Emergence: An Evolutionary Approach to Choice in Public and Private Sectors,” 2009

“The Internal and The External Freedoms: The Scope of Hayek’s Complex Society,” 2009

## Referee

*Journal of Economic Interaction and Coordination, Review of Austrian Economics, Advances in Austrian Economics*

## Employment

### **Heritage Foundation**

Center for Data Analysis

*Research Programmer*

September 2007 - current

In the Center for Data Analysis at The Heritage Foundation, I am responsible for running, maintaining, and developing new features for a microeconomic individual income tax model based on IRS Statistics of Income and Census databases, and analyzing and presenting results. I forecast revenue, distribution and income effects of tax policy. Using the model, I conduct original policy analysis and also provide data to others for reports. I write background studies, web memos, web-log posts and other original research analysis. I am also responsible for working with other CDA staff to design and create new analytical economic models. I am designing and developing a dynamic entrepreneurship model based upon an agent based model I developed independently. The model will offer both a learning-based evolutionary approach, as well as traditional equilibrium simulation, so that various assumptions can be compared and analyzed. In addition, I am encouraged to work on other policy projects at the Foundation, and on independent projects, and to attend conferences and seminars. One such project is the book that I am writing.

### **Forum One Communications**

*Web Programmer*

September 2006-September 2007

### **Rio Grande Foundation**

*Policy Analyst*

May 2006 – Sept. 2006

### **National Center for Genome Resources**

*Software Engineer*

April 2002-Dec 2002

### **Thinking Pictures**

*Lead Perl Engineer*

June 2001 -March 2002

### **ActiveBuddy / Colloquis**

*Software Engineer*

Sept 2000 – May 2001

## **Freelance Software Development Work**

*Software Developer*

1998-2000

## **Independent Projects**

### **Agent Based Economic Model**

September 2005 - Current (basis for dynamic entrepreneurial model for The Heritage Foundation)

Agent-based economic model of the market as a complex system.

- Designed and developed unique complex systems model of the market economy
- Created auction and competition agent-based pricing schemes
- Modeled responsive government employment program
- Included learning strategies for firms to enhance decision-making
- Created semantic-driven cost and preference logic
- Used for economic policy analysis

*Models private firms, consumers and public firms acting as employer of last resort; wage and product markets with single or multiple products using semantic-based preferences and economies of scale; welfare program, price controls, immigration, wholesale and retail sales. Presented at the International Conference on Economic Science with Heterogeneous Interacting Agents.*