

# **Curriculum Vitae**

**Anca M. Voicu**

**Assistant Professor**

**Department of Economics**

**Rollins College**

**Winter Park, Florida, 32789**

**January 2010**

## **BIOGRAPHICAL INFORMATION**

### **PERSONAL**

Date of Birth: May 18, 1964

Marital Status: Married, 1 child.

### **EDUCATION**

#### **The University of Birmingham, Birmingham, UK**

Awarded PhD in Economics (GPA 3.89/4).

Doctoral dissertation on “Export Performance and Potential of the Central and Eastern European Countries”.

Conducted research in international trade, genetic algorithms applied to trade modeling, intra and inter-industry trade, and comparative advantage issues.

#### **Université de Fribourg, Fribourg, Switzerland**

Attended courses in statistics covering principal components, heterogeneity and data pooling, and maximum likelihood estimation, conducted in French.

#### **1985-1990 Academy of Economic Studies, Bucharest, Romania**

Awarded BA in economics.

## **ACADEMIC EXPERIENCE**

### **August 2006 – at present Rollins College, Winter Park, FL**

#### **Assistant Professor of Economics**

Taught courses in Intermediate Microeconomics, International Economics, Principles of Micro and Macroeconomics, Transition Economies of Central and Eastern Europe, Intermediate Macroeconomics, European Emerging Markets, The Great Recession: An Economic Analysis.

**August 2002 –July 2006 Rollins College, Winter Park, Florida**

***Visiting Assistant Professor of Economics***

Taught courses in Principles of Economics I (Microeconomics), Intermediate Microeconomics, Principles of Economics II (Macroeconomics), Intermediate Macroeconomics, Statistics for Economics, Mathematics for Economics, International Economics, European Emerging Markets, Economics in Motion: An Approach to Studying an Economic Process as a Time Evolving System.

**Jan. 2000-July 2000 Rollins College, Winter Park, Florida**

***Post-Doctoral Fellow***

Taught courses in Principles of Economics I (Microeconomics), Intermediate Microeconomics, Principles of Economics II (Macroeconomics), Intermediate Macroeconomics, Statistics for Economics, Mathematics for Economics.

**Jan. 2000- August 2000 University of Central Florida, Orlando, Florida**

***Adjunct Professor***

Taught courses in Quantitative Methods.

**University of Birmingham, Birmingham, UK**

***Teaching Assistant***

Taught seminars in international trade and quantitative methods under a so called “small group teaching” activity in the Department of Economics.

**Academy of Economic Studies, Bucharest, Romania**

***Assistant Professor***

Taught courses in Theoretical, Economic and Foreign Trade Statistics.

Conducted university research projects.

Supervised BA theses in Economics.

**NON-ACADEMIC EXPERIENCE**

**1996 West Merchant Bank Ltd., London, UK**

***Research Assistant***

Conducted research in recent economic developments of the Central and Eastern European economies with emphasis on: monetary developments, inflation and exchange rate dynamics, interest rate trends, currency composition of medium- and long-term external debt, commodity composition and direction of trade.

**STUDENT ADVISING**

Quynh Trang Nguyen. Does FDI promote GDP by accelerating exports? The Case of Vietnam. M.A., The University of Birmingham, July 2005.

Ko Ka Yan Karen. Main determinants of Hong Kong's FDI inflow after 1997 - Hong Kong's handover to PRC China. M.A. The University of Birmingham, July 2005.

Lin Liu. China's Trade Potential: A Gravity Model Approach. M.A. The University of Birmingham, July 2005.

Yang Yan. China Mainland's Export Performance: A Gravity Model Approach. M. A. The University of Birmingham, July 2005.

Ronghua Zhu. Spillover Effects of Transnational Corporations in China. M.A., The University of Birmingham, July 2005.

Zhanna Skylarenko. Foreign direct investment and competitiveness in Ukraine: Current Conditions and Prospects. Senior Honors Project, Rollins College, April 2008.

In April 2008 I was invited to act as an external examiner by the University of Birmingham, UK, for an MPhil thesis titled: "Tourism development and marketing in Vietnam", by Ms. Bee Chin Ng. I provided the Economics Department at the University of Birmingham with a detailed report on the work submitted by the student and made recommendations for future improvements of the completed research.

## **SELECTED PUBLICATIONS**

**Voicu, Anca M.**, and Nicholas J. Horsewood. Trade in Central and Eastern Europe: Have Trade Costs Rendered Gravitational Models Obsolete?. *Información Comercial Española. Revista de Economía* 834 (2007) 113-133.

Barrett, C. Richard., Somnath Sen, and **Anca M. Voicu**. Theoretical Foundations of the Gravity Trade Model. University of Birmingham, Department of Economics Discussion Paper (2005).

**Voicu, Anca M.**, Liviu I. Voicu, and Harley Myler. Trade Models Generated by Evolutionary Programming: A Comparison with the Gravity Trade Model. GEECO'99 (1999). Orlando, Florida.

Voicu, Anca M. Eastern Europe's Trade Potential. A Gravity Model Approach. The University of Birmingham, Department of Economics Discussion Paper 97-20 (1997).

## **WORK IN PROGRESS**

"British Imports during the Inter-War Years: The effect of the 1932 tariff" Horsewood, N.J., Somnath Sen and Anca M. Voicu.

"The Big Leap Forward: Costs and benefits of integrating the Central East European countries with the West" Voicu, Anca M, Nicholas J. Horsewood and Somnath Sen.

"Assessing the impact of EU membership: The aggregate trade effects". Voicu, Anca M and Nicholas J. Horsewood.

## **RESEARCH INTEREST**

During my doctoral research, I have conducted area studies focused on the transition economies of Central and Eastern European countries (CEECs). This research focused mainly on the development of trade and economic relations between CEECs and examined the possible effects of liberalizing trade arrangements between these countries. The study covered the final period of the communist order and the post-communist transition since 1989.

My research interest also includes genetic algorithms and their application to economic problems such as optimization or modeling. In a genetic algorithm, sets of solutions to a problem evolve in a genetic-like fashion until a certain degree of accuracy is reached. In previous work, I have applied genetic algorithms to trade modeling and the models obtained outperformed significantly the classic Gravity Trade Model. Currently, I am investigating new applications of genetic algorithms in economic modeling and forecasting. I also have an interest in evolutionary economics.

More recently I extended my area of research to empirical models of the inter-war years, where currently there is little analysis. My research combines history, econometrics and political economy for a new synthesis.

## **CONFERENCE PARTICIPATION**

“Assessing the Impact of EU Membership for Slovakia and Slovenia: The Aggregate Trade Effects” (co-authored with N.J.Horsewood). Presented paper at the 68<sup>th</sup> International Atlantic Economic Society Conference, Boston, MA. October 8-11, 2009.

British Imports during the Inter-War Years: The effect of the 1932 tariff” (co-authored with N.J. Horsewood and S.Sen. Paper presented at the 66<sup>th</sup> International Atlantic Economic Society Conference, Montreal, Canada, October 2008.

“Evaluating the Trade Effects of EU Membership on the Central Eastern European Countries” (co-authored with N.J.Horsewood). Paper presented at the 64<sup>th</sup> International Atlantic Economic Society Conference, Savannah, GA, October, 2007.

“Theoretical Foundations of the Gravity Trade Model” (co-authored with C.R.Barrett and S.Sen). Paper presented at the 64<sup>th</sup> International Atlantic Economic Society Conference, Savannah, GA, October 2007.

Chair of the International Marketing Section at the 7<sup>th</sup> International Business Conference, University of North Florida, Jacksonville, FL, February 2007.

“Central and Eastern-European Trade: Do Business Standards Matter” (co-authored with N.J.Horsewood). Paper presented at the 62<sup>nd</sup> International Atlantic Economic Society Conference, Philadelphia, PA, October 2006.

“The Role of Corruption in the CEECs Accession into the EU” (co-authored with N.J. Horsewood). Paper presented at the European Trade Study Group Conference, Vienna, Austria, September 2006.

“Central and Eastern-European Trade: Do Transport Costs make Gravity Models Obsolete?” (co-authored with N.J.Horsewood). Paper presented at the International Atlantic Economic Society Conference, New York, NY, October 2005.

Attendee, The Gulf-South Summit on Service Learning, Cocoa Beach, FL, April 2005.

“Eastern-European Trade Redirection: A Gravity Model Approach” (co-authored with N.J.Horsewood). Paper presented at the International Atlantic Economic Society Conference, London, UK, March 2005.

Attendee, Service Learning Conference, Pensacola Beach, FL, February, 2005.

#### **AWARDS AND PROFESSIONAL DEVELOPMENT GRANTS**

Internationalization Grant, Rollins College, May 2010. Received grant to participate in a two week long seminar and trip to Bali, Indonesia.

Internationalization Grant, Rollins College, May 2008. Received grant to develop a new inter-disciplinary course with political scientist Michael Gunter on the Economics and Politics of Central East Europe.

Asforth Research Grant, Rollins College, February 2008. Received one month grant to travel to England in July 2008 to begin new research on “British Trade Policy and Imports during the Inter-War Years” (collaborative project with N.J. Horsewood and Somnath Sen, The University of Birmingham, UK).

Internationalization Grant, Rollins College, May 2007. Received grant for hosting visit of British speaker on an international topic.

Petters Grant, Rollins College, May 2006. Participated in a two week long China for professors seminar for development of research.

Technology Workshop Award, Rollins College, May 2005.

Technology Workshop Award, Rollins College, May 2004.

Florida Campus Compact Award, April 2005. Received grant to participate in the Gulf-South Summit on Service Learning in Cocoa Beach, FL.

Internationalization Grant, Rollins College, November 2004. Received grant to develop a course with international content and to establish collaboration between Rollins College, and the University of Birmingham, UK.

PHARE-ACE full scholarships for doctoral studies (three successive scholarships over the following periods: July 1994-March 1996, Oct. 1996-Sept. 1998, October 1998 - March 1999).

Bourse de la Confédération Helvétique, July 1993. Received one year scholarship for graduate studies in Statistics conducted in French at the Université de Fribourg, Switzerland.

### **PROFESSIONAL DEVELOPMENT WORKSHOPS**

Associated Colleges of the South, Summer Teaching Workshop, June 7-12, 2005

Writing Reinforcement (R workshop), Rollins College, January 10-14, 2005

Communication Across the Curriculum (T workshop), Rollins College, Fall 2003

### **COMMITTEE SERVICE**

Professional Standards Committee, fall 2007 - present, member.

International Studies Committee, fall 2009 - present, member.

International Education Week Committee, fall 2009, member.

RCC Advisory Committee, fall 2009 –present, member.

### **DEPARTMENT SERVICE**

ODE Advisor, spring 2007 - present.

### **PROFESSIONAL MEMBERSHIPS**

American Economic Association, 1998

Association for Evolutionary Economics, 2005

European Union Studies Association, 2004

International Atlantic Economic Society, 2005

### **NEW COURSES DEVELOPED**

The Great Recession: An Economic Analysis, January 2010.

Economics in Motion: An Approach to Studying an Economic Process as a Time Evolving System, January 2006.

Transition Economies of Central and Eastern Europe, January 2005.

### **LANGUAGES**

Fluent in English, French, Hungarian, Romanian.

Reading knowledge of Italian and Spanish.

### **COMPUTER EXPERIENCE**

MS Excel, MS Power Point, MS Word, EViews, SPSS for Windows, Micro TSP, Mathematica.

### **REFERENCES**

Professor Somnath Sen (University of Birmingham, UK, PhD supervisor).

Professor Philip Hanson (University of Birmingham, PhD co-supervisor, Emeritus Professor of the Political Economy of Russia Eastern Europe, and honorary senior research fellow, Centre for Russian and Eastern European Studies).

Mr. Richard Barrett (University of Birmingham, Chairman of the Graduate School of Economics).

Mr. Nicholas Horsewood (University of Birmingham, Director Money, Banking and Finance).