

**YAROSLAV KRYUKOV**

Assistant Professor of Economics  
 Tepper School of Business  
 Carnegie Mellon University  
 9/11/2009

**EDUCATION**

2008            Ph.D., Economics, Northwestern University, Evanston, Illinois  
 "Dynamic Games in Economics"  
 (Aviv Nevo, Chair, Mark Satterthwaite and Ulrich Doraszelski)

2005            ICE (Institute for Computational Economics), Argonne, IL

2000            M.S.: Economics, University of Illinois at Urbana-Champaign.

1998            B.S.: Economics, St-Petersburg University, Russia.

**POSITIONS HELD**

2009-            Assistant Professor of Economics, Tepper School of Business, Carnegie Mellon

2008-09        Visiting Assistant Professor of Economics, Tepper School of Business, Carnegie Mellon

2000-02        Management consultant, Deloitte & Touche, Moscow, Russia.

1999, 2000     Economics intern, Caterpillar Inc., Peoria, IL

**OTHER POSITIONS**

2008            Research Aide / Assistant Scientist, Argonne National Laboratory, Argonne, IL.

2003-08        Research Assistant, Northwestern University, Evanston, IL

**TEACHING: COURSES TAUGHT AND RATINGS (at Carnegie Mellon)**

Course Number	Course Title	Year	FCE Instructor Rating	FCE Course Rating	Number of Students Enrolled	Number of Responses
73-261	Econometrics	09-10	3.48	3.19	59	21
73-365	Industrial Organization	09-10	4.10	4.30	31	10
47-805	Computational Methods	09-10	n/a		16	
73-261	Econometrics	08-09	2.82	2.79	72	34
73-365	Industrial Organization	08-09	4.11	3.78	35	9
47-805	Computational Methods	08-09	n/a		11	

## **STUDENT SUPERVISION**

### **Undergraduate Student Supervision (at Carnegie Mellon)**

Hon Ming (Robin) Quek, Honors Thesis, "Dynamic model of political career decisions" (09-10).

### **Doctoral Student Supervision (at Carnegie Mellon)**

Fabrizio Orrego (Summer Paper Reader) (Tepper School of Business) (2009)

Maxime Roy (Summer Paper Reader) (Tepper School of Business) (2009)

## **NON-PUBLISHED PAPERS**

### **Completed Working Papers:**

"Learning-by-Doing, Organizational Forgetting, and Industry Dynamics",  
D. Besanko, U. Doraszelski, Y.Kryukov, M. Satterthwaite, 2008,  
TSB working paper #2009-E22, forthcoming in *Econometrica*.

"A Users Guide to Homotopy Methods for Solving Dynamic Stochastic Games",  
R. Borkovsky, U. Doraszelski, Y.Kryukov, 2008  
TSB working paper #2009-E23, forthcoming in *Operations Research*

"An Optimal Control Model of Technology Transition"  
D. Hanson, Y. Kryukov, S Leyffer, and T. Munson, 2009  
TSB working paper #2009-E24, submitted to *IJGEI*

"A Dynamic Quality Ladder Duopoly with Entry and Exit: Exploring the Equilibrium Correspondence Using the Homotopy Method",  
R. Borkovsky, U. Doraszelski, Y.Kryukov, 2009  
TSB working paper #2010-E2, submitted to *QME* (by invitation)

### **Other Papers:**

"Dynamic R&D and the Effectiveness of Policy Intervention in the Pharmaceutical Industry"  
Y. Kryukov, 2008

## **PROFESSIONAL ACTIVITIES**

### **Conference talks after critical review prior to presentation**

“Solving Dynamic Stochastic Games Using the Homotopy Method,”  
**Applied Micro Seminar, Tepper School of Business, CMU.** (October 9, 2009)

“A User's Guide to Solving Dynamic Stochastic Games Using the Homotopy Method,”  
**Summer meeting of Econometric Society, Boston, MA.** (June 6, 2009)

“Dynamic R&D and the Timing of Policy Intervention in the Pharmaceutical Industry,”  
**International Industrial Organization Conference, Washington, DC** (May 16, 2008)

## **EDITORIAL ROLES**

### **Scientific/Professional Journals**

Ad hoc reviewer for *NSF*.