

Taniya Ghosh

6300 N Sheridan Road, Apt 708, Chicago, IL 60660 • Cell: (812) 391-3955 • Email: taniya.ghosh@gmail.com

EDUCATION

- Ph.D. Economics, University of Kansas, U.S.A., CGPA 3.96 May 2012
- M.A. Economics, State University of New York at Albany, U.S.A May 2007
- M.Sc. Economics, University of Calcutta, India May 2003
- B.Sc. Economics Honors, University of Calcutta, India May 2001

SPECIALIZATION

- **Primary:** Macroeconomics, Econometrics, International Trade and International Finance
- **Secondary:** Development Economics, Financial Economics

RESEARCH

“Bifurcation Analysis of an Endogenous Growth Model”

Abstract: This paper provides a detailed bifurcation analysis of a variant of Jones semi-endogenous growth model “Sources of US Economic growth in a World of Ideas”. Along the balanced growth path of the modified model, I have shown that the effect of population growth is ambiguous on long run growth of the economy and can even be positive with no population growth, hence, making the model endogenous. I showed the existence of both Codimension-1 (Hopf, Branch Point, Limit Point of Cycles) and Codimension-2 (Bogdanov-Takens and Generalized Hopf) bifurcations within the feasible parameter range of the model. The choice of certain parameters in locating various bifurcations emphasizes the role played by human capital in such a model where growth is driven by technological progress, which in turn, is ultimately driven by human capital investment. The parameters in the human capital accumulation equation play a key role in determining the dynamics of the model.

“Stability Analysis of Uzawa-Lucas Endogenous Growth Model”

Abstract: This paper analyses the dynamics of Uzawa-Lucas Endogenous Growth Model “On the Mechanics of Economic Development”. The model is solved from a social planner perspective as well as from the perspective of a decentralized economy. I examine and compare the stability properties of both the versions of the model and locate Hopf and Transcritical bifurcation boundary. In an extended analysis, I investigate the existence of Andronov-Hopf, Branch Point, Limit Point of Cycles, and Period Doubling Bifurcations within the feasible parameter range of the model. While the aforementioned are all local bifurcations, the presence of global bifurcation is confirmed as well. The model hints at the possibility of having chaotic dynamics.

“Post War Business Cycles in Models with Long- Run Monetary Neutrality” with John Keating

(Working paper)

Abstract: We develop a structural VAR model with long-run identification restrictions, most of which are derived from the assumption that monetary shocks are long-run neutral with respect to certain real variables. We check for the result that real shocks are the most important source of cyclical fluctuations. Others have obtained the same result using restricted versions of this empirical model. Based on this and the analysis of exogenous monetary policy shocks, we will compare our results with both Keynesian and Real Business Cycle mechanisms.

TEACHING EXPERIENCE

- Principles of Macroeconomics, Teaching Assistant, University of Kansas – Spring 2011, Spring 2010, Spring 2009, Spring 2008, Fall 2007
- Principles of Microeconomics, Teaching Assistant, University of Kansas - Fall 2010, Fall 2009, Fall 2008
- Graduate, Macroeconomics II, Teaching Assistant, University of Kansas – Fall 2009
- Undergraduate Tutor, Principles of Macroeconomics and Microeconomics – Spring 2007
- Intermediate Macroeconomics, Teaching Assistant, State University of New York – Fall 2006
- Principles of Macroeconomics, Teaching Assistant, State University of New York – Spring 2006, Fall 2005

WORK EXPERIENCE

TeamLease Services Private Limited

(August 2004-July 2005)

As a Senior Associate in Client Relations for a leading Leasing Organization, responsibilities included:

- *New Hire Integration, In-house Training & Administration:* Partnered with clients on hiring new recruits, provided training and assisted them through the on-boarding process. Also managed all administrative functions of the branch office to ensure efficient day-to-day operations

AWARDS AND HONORS

- University of Kansas, Department of Economics, Teaching Assistantship, Fall 2005 - Present
- University of Kansas, Department of Economics, Full Scholarship, Fall 2005 - Present
- University of Albany, State University of New York, Department of Economics, Teaching Assistantship, Fall 2005- Fall 2006
- University of Albany, State University of New York, Department of Economics, Full Assistantship, Fall 2005- Fall 2006

SOFTWARE SKILLS

- MATLAB, Mathematica, RATS, EViews, Gauss, Stata
- MS Office Suite

REFERENCES

William Barnett (Advisor)
Oswald Distinguished Professor of Macroeconomics
Department of Economics, University of Kansas
Lawrence, KS, USA
Office Phone: +1-785-864-2844
Email: barnett@ku.edu

John Keating
Associate Professor
Department of Economics, University of Kansas
Lawrence, KS, USA
Office Ph: +1-785-864-2837
Email: jkeating@ku.edu

Shu Wu
Director of Graduate Studies
Department of Economics, University of Kansas
Lawrence, KS, USA
Office Phone: +1-785-864-2868
Email: shuwu@ku.edu