

NBER project on the Economics of Digitization  
(March, 2016)  
*Application*

## 1 Personal Information

**Applicant's Name:** Theodore Tedi Skiti

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**Institution:** Department of Economics, Duke University

**Current Position:** Ph.D. Candidate in Economics/5th year Ph.D. student

**Supervisors:** Allan Collard-Wexler, James Roberts, Daniel Yi Xu

**Expected Graduation Date:** May, 2017

**Research Interests:** Industrial Organization, Applied Microeconomics,  
Economics of Innovation and Technological Change

## 2 Selected Ph.D. Coursework

Microeconomics, Macroeconomics, Econometrics

Industrial Organization

Dynamic Discrete Choice, Demand Estimation,

Estimation of Entry Games, Estimation of Auctions

Firm, Industry, and Trade Dynamics

Economics of Innovation

## 3 Dissertation summary

*Market Structure and Strategic Firm Interactions in the US Broadband Industry*

### **Description**

In this paper, I aim to investigate the role of entry, market structure and strategic interactions of firms in the broadband industry. I deploy a dynamic structural model of entry and network choice of the U.S. broadband industry. Firms compete at the level of the local market and their optimal decision rule includes entry decisions as well as pricing decisions. In addition, there is a number of firms that compete nationally and make network size decisions and a large number of competitive fringe firms that make entry decisions.

I ask the following questions: What is the effect of the large broadband providers' actions on the entry decisions and the technology choice of the other big and small players? Which firm types compete more effectively in the market? How all these issues relate with the global or local competition providers face? How is the clustering of some firms in some regions related to these strategic decisions and does it create any anti-competitive schemes for other networks?