

Education

Ph.D. in Technology Entrepreneurship, University of Washington, Seattle. Expected June 2019.)

B.S. in Chemical Engineering, University of California, Berkeley. 2002
Focus on Applied Physics

Research Interests

I am interested in how firms can better develop and use new innovations. In particular, I study how the interplay between firm and industry structure influences both the research productivity of individual firms and the evolution of technology. My research utilizes machine learning to explore rich qualitative data in a quantitative way, and employs its techniques to improve model selection and strengthen conclusions drawn from the data.

Dissertation

Chaired by Kevin Steensma

My dissertation applies machine learning via Dirichlet process models to understand the capability of firms to create breakthrough innovations. My first dissertation paper explores the role the innovative process (broad vs deep search) plays in a firm's ability to develop and capitalize upon breakthrough innovations. My second dissertation paper identifies breakthrough inventors and examines factors necessary for those inventors to continue producing breakthrough innovations.

Research in Progress

Manuscripts in the Review Process

M. Chari, H.K. Steensma, **C. Connaughton**. "Serving Multiple Principals with Competing Interests: How the Confluence of Incentives and Principal-Agent Revolving Doors Shapes Agent Behavior." *R&R at Organization Science*

M. Chari, H.K. Steensma, R. Heidl, **C. Connaughton**. "The Influence of Patent Assertion Entities on the Locus of Knowledge Creation and Patenting Activity."

Data Analysis & Writing Stage

"What Gets Developed and What Gets Forgotten? The Impact of Organizational Myopia on Technology Development." With Chari, M., Steensma, K.

"Renaissance Men or One Hit Wonders? - Tracking Cognitive Breakthroughs of Serial Inventors." With Fung, A., Steensma, K

Charles Connaughton

“Jack of All Trades, Master of None... More Creative Than Master of One?” With Fung, A., Steensma, K.

“Simultaneous Patenting of Breakthrough Innovations.” With Fung, A., Steensma, K.

“Patenting and Corporate Social Responsibility: Greenwashing versus Genuine Motivations.” With Fung, A.,

“Disruptive Technologies: Origins and Outcomes.” With Fung, A.

Conference Presentations

M. Chari, H.K. Steensma, R. Heidl, **C. Connaughton**. The Influence of Patent Assertion Entities on the Locus of Knowledge Creation and Patenting Activity. **Academy of Management Conference | Anaheim, CA | 2017**

Teaching Experience

Teaching

Undergraduate Strategy Capstone Course (Management 430)

- *Winter 2016, rating 4.5/5.0*
- *Spring 2016, rating 4.6/5.0*

Teaching Assistant

- *Technology Management MBA: Strategic Management of Technology Innovation. Fall 2017 (x2), Fall 2016 (x2), Fall 2015 (x2)*
- *Evening MBA: Special Topics: Management Consulting. Fall 2017, Winter 2017, Fall 2016, Fall 2015*

Teaching Awards

- Excellence in Teaching Award: 2016-2017
- University of Washington Star Teacher: 2016-2017

Service

Foster, Department of Management, visiting scholars guide	2015-2017
Foster School of Business PhD student advisor for new and incoming students	2015-2016

Professional Affiliations, and Memberships

Academy of Management	2013-2018
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General Activities and Awards

2013-2018: Foster School Alumni Fellowship