

MARK BAGLEY

RESEARCH INTERESTS

Innovation and entrepreneurship
Network analysis
Agent-based modelling

Evolutionary economic geography
Spatial economics
Joseph Schumpeter, Steven Klepper

RECENT EXPERIENCE

2019-Present

Unit of Innovation and Entrepreneurship, University of Gothenburg

Postdoctoral researcher

- Research oriented toward the entrepreneurial ecosystems framework. Integration of my past work on knowledge networks to broaden our understanding of changes within the innovation entrepreneurial milieu; including those that pertain to incubators and spinoffs and creative industries. Application of knowledge networks toward endogenous economic growth models.
- Teaching is exclusively on the master's level. Courses include Research Methods in Innovation and Entrepreneurship, Methods for Practical Entrepreneurship and New Business Development.

2012-2018

Jönköping University

PhD Candidate, Economics

- Hired as part of the “Research Group for Analyses of Rural Economies (R-ARE), a research project funded by Formas and based at the Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Lund University. Employed at Jönköping University, within the Centre of Entrepreneurship and Spatial Economics (CEnSE). Responsibilities split between research (80%) and administrative work, including teaching (20%).
- Research focused on the geography of innovation, within the realm of evolutionary economic geography. Much of my research revolved around identifying and measuring such networks and applying them in an economic context. I also used of computational models to map entrepreneurial spawning patterns using a model of technical cognition. The main sector of study was the Swedish ICT sector, specifically the cluster centred around Stockholm.
- Courses taught included Macroeconomic Principles, Econometrics, the Economics of Cities, Sweden in the Global Economy and Industrial Organization. Courses both at the bachelor's and master's levels.
- Thesis supervisor: Martin Andersson (BTH, Lund)

2011-2012

Teaching Nomad, Shanghai

Recruitment Consultant

- Small American start-up firm within a Swedish incubator.

SCHOLARSHIPS AND AWARDS

2021

Broman Scholarship

- Granted at the Unit of Innovation and Entrepreneurship, University of Gothenburg. Extension of postdoctoral research time by 10 months.

2015

KID Prize – Best Paper Award

- Awarded for the paper *A simulation of entrepreneurial spawning*, at the 4th edition of the summer school “Knowledge Dynamics, Industry Evolution, Economic Development (KID)”. Nice, France.

EDUCATION

2012-2018

Jönköping University

PhD Economics

- Thesis: The Birth, Life and Death of Firms in Industrial Clusters: The Role of Knowledge Networks (Date of defence: January 19th 2018. Discussant: Ron Boschma)

2008-2010

Lund University

Masters in Economics

- Thesis: The Role of Geography and Agriculture in the Establishment of Property Rights (1st Year), The Spatial Economy of the EU: Patterns and Trends (2nd Year)

2006-2007

University of Aberdeen

MSc International Real Estate Markets

- Case study: A Feasibility Study of the Redevelopment of the Hong Kong Ritz-Carlton
- Market report: The Effectiveness of China's Austerity Policies on the Shanghai Real Estate Market

2007

University of Hong Kong

Visiting Master's Student

2002-2006

University of Aberdeen

MA(Hons) Economics

- Thesis: How E-Commerce May Alter Competition: A Cost-Based Analysis

1997-1999

Beijing Language and Culture University

Certificate in Chinese Proficiency (HSK)

- Mandarin Chinese language program

PUBLICATIONS

Bagley, M.J.O. (2019) Networks, geography and the survival of the firm. *Journal of Evolutionary Economics* 29(4): 1173-1209

Bagley, M.J.O. (2019) Small Worlds, inheritance networks and industrial clusters. *Industry and Innovation* 26 (7): 741-768

Bagley, M.J.O. (2017) A simulation of entrepreneurial spawning. *Journal of Artificial Societies and Social Simulation* 20 (3): 9

Bagley, M.J.O., Gifford, E. and McKelvey, M. (Peer review) The evolution of niche: Variety in knowledge networks in a creative industry. Under review at *Industry and Innovation*

Bagley, M.J.O. (Work in progress) Autocatalytic Growth. Target outlets: *Journal of Economic Growth, RAND Journal of Economics*

Brunnström, L., Bagley, M.J.O., Buenstorf, G. and McKelvey, M. (Work in progress) Into the Wild: Post-incubation performance of knowledge-intensive entrepreneurial firms. Target outlets: *Research Policy, Small Business Economics*

Bagley, M.J.O. (Work in progress) Small worlds and hypercubes: An agent-based model of knowledge variety generation. Target outlets: *Journal of Economic Dynamics & Control, Journal of Artificial Societies and Social Simulation*

Bagley, M.J.O., Gifford, E. and McKelvey, M. (Work in progress) Financial accounting and death metal: A survey of niche identification techniques. Target outlets: *Scientometrics, Bibliometrics*

IT KNOWLEDGE

R	<i>Open source programming language for statistical computing</i>
Stata	<i>General purpose statistical software package</i>
GeoDA	<i>Spatial data analysis, geovisualization, spatial modelling</i>
ArcGIS	<i>Geographic information system for analysing and presenting spatial data</i>
NetLogo	<i>Agent-based programming language and integrated modelling environment</i>
Python 3	<i>Interpreted high-level programming language</i>
Gephi	<i>Network analysis and visualization</i>

CONFERENCES AND WORKSHOPS

WOMI (2020) *Gothenburg, Sweden (Virtual)*
RCYSS (2019) *Stockholm, Sweden*
Eurkind GCW Conference (2016) *Valencia, Spain*
3rd Geography of Innovation Conference (2016) *Toulouse, France*
Uddevalla Symposium (2014) *Uddevalla, Sweden*
1st and 2nd VPDE-BRICK Workshops (2013, 2015) *Turin, Italy*
MODSIM (2013) *Adelaide, Australia*