

Sean P. Gorman PhD.

SUMMARY

- Data scientist, academic and entrepreneur with a focus on the intersection of big data, crowdsourcing, geography, and statistical mechanics.
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EXPERIENCE

President/CEO/CTO

GeoIQ

2005-Present

- Launched GeoCommons – a crowdsourced geospatial data repository on the Web with over 50,000 contributors, 120,000 databases, and has delivered over 15 millions maps.
- Social media analysis of the Arab spring, Japan Earthquake and the demise of Osama Bin Laden was briefed to Congress and included in the Presidential Daily Brief.

Assistant Research Professor

2004-2005

George Mason University

- Founded the Infrastructure Mapping Project (<http://gembinski.com/interactive/GMU/>) for researching issues concerning national security, mapping and infrastructure.

SELECTED PUBLICATIONS

Gorman, S.P. and Malecki E.J. (2002) "Fixed and Fluid: Stability and Change in the Geography of the Internet" *Telecommunications Policy* 26 (7-8): 389-413.

Gorman, S.P. (2002) "Where are the Web factories: The urban bias of e-business location" *Tijdschrift voor Economische Geografie*. 93 (5) (518-532).

Gorman, S.P. (2005) *Networks, Complexity, and Security* London: Edward Elgar

Gorman, S.P. and Kulkarni, R. (2004) "Spatial Small Worlds: New Geographic Patterns for an Information Economy" *Environment & Planning B* 31: 273-296

Schintler, L.A., Kulkarni, R., Gorman, S.P. and Stough, R. (2007) Using Raster-Based GIS and Graph Theory to Analyze Complex Networks, *Networks and Spatial Economics*, Vol. 7, No. 4, pp. 301-313.

Schintler L.A., Kulkarni R., Buckley T., and Gorman S.P. (2011) "Real-time Nation Stability Engineering: Mapping the 2009 Afghan Election" In Brunn S.D. eds., *Engineering Earth: The Impacts of Megaengineering Projects*, Amsterdam: Kluwer.

Zook, M., Graham, M., Shelton, T. and Gorman S.P. (2011) "[Volunteered Geographic Information and Crowdsourcing Disaster Relief: A Case Study of the Haitian Earthquake](#)" *World Medical & Health Policy*: Vol. 2: Iss. 2, Article 2.

SELECTED CONFERENCE PAPERS AND INVITED TALKS

2012 O'Reilly Where Conference San Francisco, CA *Just in Time Analytics: Making Answers Keep up with Data*

2011 Tech@State U.S. Department of State, Washington DC, *Open Source Data and Mapping: Enabling Accessibility and Interoperability*

2010 USGS Volunteer Geographic Information Workshop, Reston, VA *GeoCommons: Fusing Official and Unofficial Source Data through Volunteers*

2010 National Academies of Science Mapping Science Committee, Washington DC *GeoCommons The Intersection of Dynamic and Static Crowdsourcing*

2010 American Association of Geographers, Washington, DC *Geoenabling the Masses: Practical Lessons from the Field Bringing Geography to the Burakumin*