

Daniel M. Romero

2250 N Triphammer Rd. Apt K3D
Ithaca, NY 14850

(480) 620-9391
dmr239@cornell.edu

EDUCATION

- Ph.D., Applied Mathematics** expected May 2012
Cornell University (Ithaca, NY)
Supervisors: *Professors Jon Kleinberg and Steven Strogatz.*
- M.S., Mathematics** May 2007
Arizona State University (Tempe, AZ)
Advisor: Professor Carlos Castillo-Chavez
GPA 4.0
- B.S., Mathematics, Summa Cum Laude** May 2006
Arizona State University (Tempe, AZ)
GPA 4.0

RESEARCH INTERESTS

Complex systems, Networks, Dynamical Systems, applications to sociology.

RESEARCH EXPERIENCE

- Hewlett-Packard, Internship** May-December 2008
Research internship in the Social Computing Lab.
“Crowdsourcing, Attention, and Productivity” and *“Social networks that matter: Twitter under the microscope”* In collaboration with Bernardo Huberman and Fang Wu.
- Cornell University, Graduate Fellow** January-May 2008
Computation of shortest path problems. In collaboration with professor Alexander Vladimirovsky.
- University of British Columbia (Vancouver, Canada)** Summer 2007
Pacific Institute for the Mathematical Sciences
Model of Disease Spread in a Network of Hospitals. In collaboration with professors Dan Coombs, Cindy Greenwood and Rachel Kuske.
- Arizona State University, Graduate Fellow** August 2006-May 2007
Fourier Restriction Problem and its Relation to PDE. In collaboration with Svetlana Roudenko.

Princeton University

Summer 2006

Summer program in Analysis and Geometry at the department of Mathematics.

Los Alamos National Laboratory

Summer 2005

Mathematical and Theoretical Biology Institute

An Epidemiological Approach to the Spread of Third Political Parties. In collaboration with professors Carlos Castillo-Chavez and Chistopher Kribs-Zaleta.

PUBLICATIONS

B.A. Huberman, **D.M. Romero** and F. Wu, "Social networks that matter: Twitter under the microscope," *First Monday*, Volume 14, Number 1, 2009

B.A. Huberman, **D.M. Romero** and F. Wu, "Crowdsourcing, attention and productivity," Paper submitted for the 2009 ACM Conference on Electronic Commerce, 2008.

D.M Romero and C. Kribs-Zaleta, "An Epidemiological Approach to the Spread of Third Political Parties," (In progress)

FELLOWSHIPS AND AWARDS

Sloan Fellowship, **Cornell University**, 2008-2011

NSF IGERT (Integrative Graduate Education and Research Traineeship) Fellow, **Cornell University**, 2007-2008.

LSAMP-AMED (Louis Stokes Alliance for Minority Participation in Applied Mathematics and Electromechanical Dynamic) Fellow, **Arizona State University**, 2005-2007.

Charles Wexler Mathematics Award, **Arizona State University**, 2004.

Dean's Circle Scholarship, **Arizona State University**, 2004.

SCHOLARLY PRESENTATIONS

Pacific Institute for the Mathematical Sciences 2007

Division of Human Resource Development (HRD) Joint Annual Meeting 2006

[MGE@MSA/WAESO](#) Student Research Conference 2006

AMS/MAA Joint Meeting 2006

Blackwell-Tapia Conference (IMA Institute at the University of Minnesota) 2006

Society for the Advancement of Chicanos and Native Americans in the Sciences
(SACNAS) National Conference 2005

American Mathematical Society (AMS) Mathfest 2005

COMPUTER SKILLS

Maple, MatLab, LaTeX, PowerPoint, Word, Excel, Perl, C++ and R.

REFERENCES

Dr. Bernardo A. Huberman huberman@hpl.hp.com 650-857-5318
Senior HP Fellow and Lab Director
Social Computing Lab
Hewlett-Packard Laboratories

Dr. Jon Kleinberg kleinber@cs.cornell.edu 607-255-5331
Professor
Department of Computer Science
Cornell University

Dr. Steven Strogatz shs7@cornell.edu 607-255-5999
Jacob Gould Schurman Professor of Applied Mathematics
Theoretical and Applied Mechanics
Cornell University

Dr. Carlos Castillo-Chavez chavez@math.asu.edu 480-965-2115
Joaquin Bustoz Jr. Regents Professor
Department of Mathematics
Arizona State University