

**KRISTINA LERMAN**

Professor

Information Sciences Institute  
University of Southern California**Phone:** (310) 448-8714**Email:** [lerman@isi.edu](mailto:lerman@isi.edu)**Professional Preparation:**

- 1995 Ph.D., Physics, University of California at Santa Barbara, CA  
1989 A.B., Physics, Princeton University, Princeton, NJ

**Appointments:**

- 2004– Research Assistant Professor, Computer Science Department, University of Southern California  
2003– Project Leader, USC Information Sciences Institute, University of Southern California  
1998–2003 Computer Scientist, USC Information Sciences Institute, University of Southern California  
1996–1998 Systems Programmer, Quarterdeck Office Systems, Marina del Rey, CA.

**Publications:**

- A. Plangrasopchok, K. Lerman and L. Getoor, "A Probabilistic Approach for Learning Folksonomies from Structured Data," in Proc. International Conference on Web Search and Data Mining (WSDM), 2011.
- R. Ghosh and K. Lerman, "A Framework for Quantitative Analysis of Cascades on Networks," in Proc. International Conference on Web Search and Data Mining (WSDM), 2011.
- A. Plangrasopchok, K. Lerman and L. Getoor, "Growing a Tree in the Forest: Constructing Folksonomies by Integrating Structured Metadata," in Proc. International Conference on Knowledge Discovery and Data Mining (KDD), 2010.
- A. Intagorn, A. Plangprasopchok and K. Lerman, "Harvesting Geospatial Knowledge from Social Metadata," in Proc. International Conference on Information Systems for Crisis Response and Management (ISCRAM), 2010.
- K. Lerman and R. Ghosh, "Information Contagion: an Empirical Study of the Spread of News on Digg and Twitter Social Networks," International Conference on Weblogs and Social Media, Washington DC. 2010.
- K. Lerman and T. Hogg, "Using a Model of Social Dynamics to Predict Popularity of News," International World Wide Web Conference, Raleigh, NC. 2010.
- T. Hogg and K. Lerman, "Stochastic Models of User-Contributory Web Sites," International Conference on Weblogs and Social Media, San Jose, CA. 2009.
- A. Plangrasopchok and K. Lerman, "Constructing folksonomies from user-specified relations on Flickr," in Proc. International World Wide Web Conference (WWW09), 2009.
- R. Ghosh and Lerman, K. "The structure of heterogeneous networks." In Proc. of the 1<sup>st</sup> IEEE Social Computing Conference. Vancouver, Canada. 2009.
- K. Lerman, "Social Information Processing in Social News Aggregation," Internet Computing 11: 16–28, 2007.

**Synergistic Activities:**

*Organizing & Senior PC:*

- 2009 Senior PC member, ICWSM; Local arrangements for IJCAI
- 2008 Organizer, Social Information Processing Symposium (AAAI Spring Symposium series)

*PC service:*

- 2010 Social Computing (SocialCom); NIPS workshop; World Wide Web Conference;
- 2009 International Semantic Web Conference (ISWC); Social Computing (SocialCom); IJCAI
- 2008 KDD workshop on Social Network Analysis (SNAKDD); International Semantic Web Conference (ISWC); World Wide Web Conference (WWW); ANTS; National Conference for Artificial Intelligence (AAAI); International Conference on Weblogs and Social Media (ICWSM)

*Mentoring:*

- 2010 Undergraduate student mentor for the CRA-W Distributed Research for Undergraduates program. Also mentored Tshinghua University undergraduate student.
- 2008 Mentored IIT Kharagpur (India) undergraduate student
- 2006 Undergraduate student mentor for the CRA-W Distributed Mentor Program. Also mentored two other undergraduate students from CSULA and IIT Kharagpur.