

# Danaja Maldeniya

---

University of Michigan  
3340 North Quad  
105 S. State St.  
Ann Arbor, MI 48108  
*Mobile:* (734)-926-6380

*Email:* dmal@umich.edu  
*Website:* dmaldeniya.com

**RESEARCH INTERESTS** My research interests are primarily in two broad domains; social network dynamics and city science. Im interested in the mechanics that drive information diffusion and coordination processes in social networks as well as the interactions between different social, physical, transport and economic networks within cities

**EDUCATION** **PhD in Information Science** 2016 - TBD  
**University of Michigan**  
• Advisor: Daniel Romero

**BSc. in Computer Science & Engineering (First Class)** 2011  
**University of Moratuwa, Sri Lanka**

**EMPLOYMENT** **Graduate Student Instructor** Sep 2017 - present  
**University of Michigan, School of Information** Ann Arbor, MI  
• SI 301 - Models of Social Information Processing

**Research Intern** Jun 2017 - Aug 2017  
**Bell Laboratories, Social Dynamics Team** Cambridge, UK

**Research Assistant** Sep 2016 - May 2017  
**University of Michigan, School of Information** Ann Arbor, MI

**Research Fellow** Aug 2016 - present  
**LIRNEasia** Colombo, Sri Lanka

**Senior Researcher** Apr 2015 - Aug 2016  
**LIRNEasia, Big Data for Development Team** Colombo, Sri Lanka

**Researcher** Apr 2014 - March 2015  
**LIRNEasia, Big Data for Development Team** Colombo, Sri Lanka

**Senior Software Engineer** Jan 2014 - Apr 2015  
**CodeGen International** Colombo, Sri Lanka

**Software Engineer** Dec 2011 - Dec 2013  
**CodeGen International** Colombo, Sri Lanka

**PUBLICATIONS** J.E. Blumenstock, **D. Maldeniya**, and S. Lokanathan. "Understanding the Impact of Urban Infrastructure:New Insights from Population-Scale Data". The 9th IEEE/ACM International Conference on Information and Communication Technologies and Development (ICTD), 2017

**D. Maldeniya**, A. Varghese, T. Stuart, and D.M. Romero. "The Role of Optimal Distinctiveness and Homophily in Online Dating." Proc. 11th International AAAI Conference on Web and Social Media (ICWSM), 2017

**D. Maldeniya**, A. Kumarage, S. Lokanathan, G. Kriendler, K. Madhawa, "Where did you come from? Where did you go? Robust policy relevant evidence from mobile network big data", CPRSouth, 2015.

K. Madhawa, S. Lokanathan, **D. Maldeniya**, R. Samarajiva, "Using mobile network data for land use classification", CPRSouth, 2015.

K. Madhawa, S. Lokanathan, R. Samarajiva, **D. Maldeniya**, "Understanding communities using mobile network big data", CPRSouth, 2015.

R. Samarajiva, S. Lokanathan, K. Madhawa, G. Kriendler, **D. Maldeniya**, "Big data to improve urban planning", Economic and Political Weekly, Vol. L, No. 22, 2015.

**D. Maldeniya**, S. Lokanathan, A. Kumarage, "Origin-Destination matrix estimation for Sri Lanka using mobile network big data", 13th International Conference on Social Implications of Computers in Developing Countries, 2015.

K. Madhawa, S. Lokanathan, **D. Maldeniya**, R. Samarajiva, "Land use classification using call detail records" (Poster Abstract), NetMob, 2015.

N. de Silva, A. Perera, **D. Maldeniya**, "Semi-supervised Algorithm for Concept Ontology Based Word Set Expansion, International Conference on Advances in ICT for Emerging Regions(ICTER), 2013.