

LUIS GUILLERMO NATERA OROZCO

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Guadalajara, Jal. MX

SUMMARY:

PhD Student in Network Science (Starting September 2017)

I work in the intersection and application of network science to civic media and social movements.

EDUCATION

- 2017 **Course.** The relationship between images and activism in social networks. Western Institute of Technology and Higher Education. Guadalajara. Mexico
Instructor: Fábio Goveia, **Universidade Federal do Espírito Santo**
- 2016 **Course.** Big data and Social Movements. Western Institute of Technology and Higher Education. Guadalajara. Mexico
Instructor: Fábio Malini, **Universidade Federal do Espírito Santo**
- 2015 **Visiting Student.** Center for Civic Media. MIT Media Lab. Cambridge, MA. USA
Supervisor: Ethan Zuckerman
- 2013 - 2015 **Master.** Communication of Science and Culture. Western Institute of Technology and Higher Education. Guadalajara. Mexico
Thesis: The construction of network communities of urban knowledge in the blogosphere.
Supervisor: M. Eduardo Quijano Tenreiro
- 2012 - 2013 **Course.** Sustainable Urban Mobility in Developing Countries. United Nations Institute for Training and Research.
- 2008 **Academic Stay.** Urbanism and Urban Design, University of Valparaiso. Valparaiso, Chile.
- 2005 - 2010 **Bachelor.** Architecture, Western Institute of Technology and Higher Education. Guadalajara, Mexico.

RESEARCH

- 2017 - Present **Twitter Bots and local elections. Estado de México 2017**
Objective: Detect and understand the impact of twitter bots during the 2017 Mexico State governor election.
Ongoing work
- 2016 - 2017 **Primavera forest animal network**
Objective: Map the relationships between animals at the Primavera foresto to better understand the fragility of the forest and have insights about the resilience of the animal network.
Available at: <http://Signalab.mx/primavera> (Spanish)
- 2016 - 2017 **The evolution of twitter networks in the US presidential campaign**
Objective: Understand the evolution of the conversation in twitter related to the presidential candidates, analysing how the network of users and hashtags evolve during the campaign.
Report pending of publication.
- 2016 **Online harassment of journalist and activist in Mexico (2012-2016)**
Research for: Jigsaw (Google Ideas) and Global Voices.
Objective: Understand the online intimidation, their effects, mechanisms and harms when intimidation, in social networks, aims at silencing bloggers, human rights defenders and independent media workers engaged in online expression with a civic and non-violent intent.
Report pending of publication
- 2013 - 2015 **The construction of network communities of urban knowledge in the blogosphere**
Supervisor: M. Eduardo Quijano Tenreiro
Objective: Identify the formation of communities of blogs that address issues of urban knowledge, looking for patterns and topography with the aim to analyze their relations and how does they relate to each others and with other networks. Available at: <http://ciudadpixel.mx/natera/tesis> (spanish version)
- 2012 - 2013 **Urban mobility in Guadalajara, a case study**
Objective: Analyze the situation of the urban mobility in Guadalajara specifically the rise in the ownership of private vehicles and to propose a new way to get funds to invest in sustainable transportation.
- 2012 **Public Transportation in Guadalajara**
Supervisor: Mario Silva PhD
Objective: Diagnose the situation of public transport in Guadalajara and propose strategic actions for its improvement addressed to the decision and policy makers.
- 2009 **Environmental barriers to mitigate pollution in the Santiago riverside**
Supervisor: Heliodoro Ochoa Msc.
Objective: Analyze the sources of pollution of the river Santiago to propose

mitigation measures of air pollution to the population through the installation of environmental barriers along the river basin.

GRANTS

- 2015 **National Council of Science and Technology.** Grant for academic stay at MIT (Beca mixta CONACYT)
- 2013 - 2015 **National Council of Science and Technology.** Grant for graduate studies (Beca CONACYT posgrados excelencia académica)

TEACHING EXPERIENCE

- 2017 Network Science Summer course. Co-taught with Emma Towlson PhD (Northeastern University), Sean P. Cornelius PhD (Northeastern University) and Ricardo Zavala (ITESO).
- 2015 - 2017 **Teacher.** Sociocultural Studies Department. Western Institute of Technology and higher Education. Guadalajara, Mexico.
- Social Systems Theory
 - Communication, Culture and Society III // Internet and sociocultural studies
- 2015 - 2017 **Research Supervisor.** Habitat and Urban Development. Anillo Primavera, Western Institute of Technology and Higher Education. Guadalajara, Mexico.
- Open network for environmental monitoring.
 - Fauna network.
- 2015 **Course Instructor.** Networks, analysis and visualization. Guadalajara, Mexico.
- 2014 **Teacher.** Design Academy, Western Institute of Technology and Higher Education. Guadalajara, Mexico.
- Design workshop focused in urban furniture

PROFESSIONAL EXPERIENCE

- 2016 - 2017 **Executive Coordinator.** Signa_Lab. Western Institute of Technology and Higher Education. Guadalajara, Mexico.
- 2015 - 2017 **Networks and Data Analyst.** Mesura, Guadalajara. Jalisco. Mexico
- 2014 - 2015 **Social Media and Data Analyst.** Sociallinks S.C, Guadalajara. Jalisco. Mexico
- 2014 **Special analyst.** Institute of Mobility and Transportation, Jalisco State Government. Guadalajara, Mexico.
- Policy maker and project development for non motorized mobility.

- 2012 - Present **Editor at large.** Ciudad Pixel Blog. (<http://ciudadpixel.mx>)
- Founder and editor at CiudadPixel.mx covering urban and technology for the spanish speaking world.
- 2009 - 2014 **General Director.** Colectivo Triciclo, Guadalajara. Mexico.
- Specialized architecture and urban design office. Working with several types of clients from NGO's to public and private clients.

THESIS

Natera, Luis (2015). La construcción de comunidades en red sobre conocimiento urbano en el marco del crecimiento urbano: Los blogs de espacio público. Instituto Tecnológico y de Estudios Superiores de Occidente.

PUBLICATIONS, PEER REVIEWED

forthcoming Natera, L. G., & Reguillo, R. Comunicación y Cambio Social: Participación Política e Internet en Jalisco. In G. Orozco & R. Reguillo (Eds.), Enciclopedia Jalisciense de la Comunicación. Guadalajara: Universidad de Guadalajara.

Natera, Luis. (2014). Comunicación, Ciudad e Internet: Flujos de información urbana en entornos digitales. In **VI Seminario Internacional de Investigación Urbanismo** (p. 76).

PUBLICATIONS, NON PEER REVIEWED

Signalab. (2016). Battle of the hashtags: Mapping the online conversation surrounding Mexico's gas price. **Global Voices**. Available at: <https://advox.globalvoices.org/2017/02/15/battle-of-the-hashtags-mapping-the-online-conversation-surrounding-mexicos-gas-prices/>

Natera, L. (2013). Movilidad Sustentable en Guadalajara. **Veoverde**. Available at <http://www.veoverde.com/2013/04/movilidad-sustentable-en-guadalajara/>

Natera, L., & Gandarilla, R. (2013). Transporte Público y Movilidad Sustentable. In Plataforma Metropolitana para la Sustentabilidad (Ed.), **Agenda Ciudadana para la Movilidad Sustentable** (pp. 42–59). Guadalajara, Mexico: Plataforma Metropolitana para la Sustentabilidad.

Natera, L. (2012). Smart cities / smart citizens. Pasiage Transversal. Available at <http://www.paisajetransversal.org/2012/04/delg-smart-cities-smart-citizens.html>

Natera, L., Gandarilla, R., Salcedo, A., & Ríos, M. (2010). **Manual de Barreras Ambientales**. ITESO.

PRESENTATIONS AND POSTERS

Natera, L., Ábrego, V. (2017) The evolution of twitter during US elections. Data Stories 2017. Central European University. Budapest, Hungary.

Natera, L. (2015). Código, Datos Abiertos y Ciudad. Mesa de discusión. Encuentro de Urbanismo Alternativo. Centro Cultural de España en México. Ciudad de México, México.

Natera, L. (2015). Participación ciudadana, calle y nuevas tecnologías. Presentada en **II Simposio de Ciudades y Territorios Incluyentes “Derecho a la Ciudad”**. Universidad Autónoma de Yucatán. Mérida, México.

Natera, L. (2015). Participación ciudadana y tecnología, nuevos alcances. Presentada en **II Simposio de Ciudades y Territorios Incluyentes “Derecho a la Ciudad”**. Universidad Autónoma de Yucatán. Mérida, México.

Natera, L. (2014). Comunicación, Ciudad e Internet: Flujos de información urbana en entornos digitales. Presentada en **VI Seminario Internacional de Investigación en Urbanismo**. Universidad Javeriana. Bogotá, Colombia.

Natera, L. (2013). **Ciudad Pixel, medios digitales para la transformación urbana**. Presentada en Pechakucha Guadalajara.

Natera, L. (2013). **Quiosco Libre, Reading network in the public space**. Presentada en Future of Places Conference. Estocolmo. Suecia.

Natera, L. (2013). **Quiosco Libre, Red de lectura en el espacio público**. Presentada en TEDx Guadalajara.

SERVICE

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| 2016 | GDL transparente. Data visualisation for all the payments that the Municipality of Guadalajara has made since 2008. http://gdtransparente.mx |
| 2016 | Fuero No. Online platform for advocate for the removal of political immunity. http://fuerono.org |
| 2013 - 2017 | Jalisco Cómo Vamos. Member of the Urban Mobility experts team. |
| 2012 - 2016 | Plataforma Metropolitana para la Sustentabilidad. |
| 2012 - 2013 | COM:PLOT. Executive coordinator for the virtual forum COM:PLOT Lab Micro Urbanism. Digital strategy for Camina Guadalajara. |
| 2007 - 2011 | Una Ciudad Alterna. Blog de difusión y crítica urbana, enfocado al Área Metropolitana de Guadalajara. Desarrollo de iniciativas pro movilidad sustentable. |

LANGUAGES

Native spanish
English professional proficiency