

# Luis Guillermo Natera Orozco

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## EDUCATION

- Ph.D. Network Science, Central European University, Budapest, 2020 (expected)  
Dissertation: *Multilayer Urban Networks*  
Advisor: Michael Szell
- M.S. Communication of Science and Culture, ITESO, Tlaquepaque. Mexico, 2015
- B.Arch. Architecture, ITESO, Tlaquepaque. Mexico, 2010

## ACADEMIC AFFILIATIONS

- 2016–17 Executive Coordinator Signa\_Lab, Department of Sociocultural Studies, ITESO, Tlaquepaque. Mexico
- 2015 Visiting Student, Center for Civic Media, Media Lab, Massachusetts Institute of Technology, Cambridge, MA. USA

## RESEARCH AND TEACHING INTERESTS

Network science  
Urban planning and mobility  
Big data for social good  
Data science and data visualization

## PUBLICATIONS

### Peer-Reviewed Book Chapters

- 2018 Natera Orozco, L G., Reguillo, R. “Comunicación y cambio social: participación política e internet en Jalisco” *Enciclopedia Jalisciense de la Comunicación.*, edited by Orozco, G., Reguillo, R. Jalisco, Mexico: Universidad de Guadalajara.
- 2018 Natera Orozco, L G. “Un cambio de la comunicación gubernamental y política. De los medios de comunicación a las redes sociales.” *Informe Anual Q Medios 2018*, edited by Bernal, G. Jalisco, Mexico: ITESO.

## Reviews and Other Articles

- 2016 Natera Orozco, L G. (as Signa\_Lab) "Battle of the hashtags: Mapping the online conversation surrounding Mexico's gas price" *Global Voices*.

## Proceedings, Reports, and Working Papers

- 2014 Natera Orozco, L G. "Comunicación, ciudad e internet: flujos de información urbana en entornos digitales" VI Seminario Internacional de Investigación en Urbanismo. Bogota, Colombia.

## Posters

- 2018 Natera Orozco, L G. "Budapest. Multilayer urban network" State of the Map. Milan, Italy.  
2017 Natera Orozco, L G., Ábrego, V. "The evolution of twitter during the US elections" Data Stories. Budapest, Hungary.

## INVITED TALKS

- 2018 "Ciencia de redes para la ciudad" Signa\_Lab, ITESO. Tlaquepaque, Mexico.  
2015 "Código, Datos Abiertos y Ciudad" Encuentro de Urbanismo Alternativo, Centro Cultural de España en México. Mexico City, Mexico.  
2015 "Participación ciudadana, calle y nuevas tecnologías" II Simposio de ciudades y territorios incluyentes "Derecho a la Ciudad", Universidad Autónoma de Yucatán. Merida, Mexico.

## CONFERENCE ACTIVITY

### Conference Presentations

Presenting author *italicized*, if other.

- 2018 Natera Orozco, L G. Szell, M. "Characterizing cities from their multiplex infrastructure patterns" SICC Workshop ComplexCity@PoliTo. Turin, Italy.  
2013 Natera Orozco, L G. "Quiosco Libre, reading network in the public space" Future of Places. Stockholm, Sweden.

## FELLOWSHIPS, GRANTS, AND AWARDS

- 2018 Travel grant. Department of Network and Data Science, Central European University  
2015 Academic Stay at MIT. Mexican National Council of Science and Technology  
2013 Master Studies Grant. Mexican National Council of Science and Technology

## **TEACHING EXPERIENCE**

### **ITESO**

- 2017      Network Science (Summer 2017) Co-taught with Emma Towlson (Northeastern University), Sean P. Cornelius (Northeastern University), and Ricardo Zavala (ITESO).
- 2015–17   Communication, Culture and Society (Spring 2016, 2017)
- 2015–16   Social Systems Theory (Fall 2015, 2016)

## **RESEARCH EXPERIENCE**

- 2015–17   Researcher, Anillo Primavera. Principal Investigator: Sandra Valdes.
- 2016      Researcher, Online harassment of journalists and activists in Mexico, Jigsaw (formerly Google Ideas) and Global Voices. Principal Investigator: Ellery Biddle.
- 2012      Researcher, Public Transportation in Guadalajara. Principal Investigator: Mario Silva.

## **ACADEMIC VISITS**

- 2015      Center for Civic Media, MIT Media Lab, Boston, USA, Jan - Jun

## **SERVICE**

### **Service to Department**

Co-organizer Data Stories visualization exhibition, Central European University, DNDS, 2018-19

## **PROFESSIONAL AFFILIATIONS**

Python Software Foundation

SICC Italian Society for Chaos and Complexity

## **PROFESSIONAL EXPERIENCE**

- 2015–17   Mesura, Networks and Data Specialist. Guadalajara, Mexico.
- 2014      Socialinks, Networks Consultant. Guadalajara, Mexico.
- 2014      Institute for Mobility and Transportation of the State of Jalisco, Mobility Analyst. Zapopan, Mexico.

## **SKILLS AND METHODS**

### **Statistical and Computational Methods**

Network science methods

Programming, data wrangling and visualisation: Python

Web: basic HTML/Javascript

Network visualization: Gephi, Cytoscape

Version control: Git

Other:  $\text{\LaTeX}$ , Adobe CS, CAD

## **Languages**

Spanish    Native

English    Professional proficiency

Updated October 2018