

CÉSAR A. HIDALGO (12/22/1979)

<http://chidalgo.com> | [Google Scholar](#) |

I am a Hispanic-American scholar known for developing the field of economic complexity and for contributions to economic geography, data visualization, and applied artificial intelligence (h-index 45, 23,000+ citations, in Google Scholar). I currently direct the Center for Collective Learning at the University of Toulouse and hold appointments at Harvard's School of Engineering and Applied Sciences (SEAS), the University of Manchester, and the Toulouse School of Economics (TSE). Between 2010 and 2019 I directed MIT's Collective Learning group. I am an author of three books, multiple papers in top journals including Science, Nature, and PNAS, and the recipient of various awards for both my academic and applied work.

EDUCATION

PhD	University of Notre Dame, Indiana, USA, Physics	2008
BS	Universidad Católica de Chile, Santiago, Chile, Physics	2004

CITIZENSHIP

United States, Chile, and Spain

ACADEMIC APPOINTMENTS

Toulouse School of Economics, Associate Member,	2021-present
University of Toulouse, Director, Center for Collective Learning	2019-present
University of Toulouse, ANITI Chair	2019-present
University of Manchester, Honorary Professor (AMBS)	2019-present
Harvard, Visiting Professor, SEAS	2019-present
MIT, Associate Professor,	2015-2019
MIT, Assistant Professor,	2010-2014
MIT, Director, Collective Learning Group,	2010-2019
Harvard, Faculty Associate, HKS	2010-2013
Harvard, Postdoctoral Research Fellow, HKS	2008-2010

HONORS AND AWARDS

Lagrange Prize, ISI Foundation, Turin, Italy	2018
Webby Award for Best Use of Machine Learning: Streetchange	2018
Webby Award for Best Government and Civil Innovation: Data Africa,	2018
Indigo Design Award, DataChile	2018
Webby Award for Best Government and Civil Innovation Site: Data USA	2017
Twenty Most Influential Latinos in Technology, C-NET	2017
Information is Beautiful Award, Best Commercial Project: DataUSA,	2016

Technological Person of the Year, Chiletech	2015
Young Global Leader, World Economic Forum	2013
Bicentennial Medal of Science, Congress of Chile	2011
Computational Science and Visualization Award, University of Notre Dame	2008

TEACHING EXPERIENCE

At Harvard

Spring 2010 API309 Networks and Complexity

At MIT

Spring 2011 MAS.961 Networks, Complexity, and Their Applications
 Fall 2011 MAS.S60 Special Subject in Media Technology
 Spring 2012 MAS.581 Networks, Complexity, and Their Applications
 Fall 2012 MAS.S62 Special Subject in Media Technology
 Spring 2013 MAS.581 Networks, Complexity, and Their Applications
 Spring 2014 MAS.581 Networks, Complexity, and Their Applications
 Spring 2015 MAS.581 Networks, Complexity, and Their Applications
 Fall 2015 MAS.S70 Complexity Seminar
 Spring 2016 MAS.581 Networks, Complexity, and Their Applications
 Fall 2016 MAS.S73 Applied Data Visualization
 Spring 2017 MAS.581 Networks, Complexity, and Their Applications
 Fall 2017 MAS.S70 Applied Data Visualization
 Spring 2018 MAS.581 Networks, Complexity, and Their Applications

At Harvard

Fall 2019 ESB298BR Principles of Collective Learning
 Fall 2020 GSD1231 MDE Studio

At the University of Toulouse

Spring 2021 How Humans Judge Machines
 Spring 2021 Collective Learning Seminar

PUBLICATIONS

Books

Cesar A. Hidalgo, Diana Orghian, Jordi Albo-Canals, Filipa De Almeida, Natalia Martin, *How Humans Judge Machines*, MIT Press, Cambridge, MA (2021)

Cesar Hidalgo, *Why Information Grows: The Evolution of Order, from Atoms to Economies*, Basic Books, New York, NY (2015)

R. Hausmann, **C.A. Hidalgo**, et al, *The Atlas of Economic Complexity*, MIT Press, Cambridge, MA (2014)

Journal Publications

Last author indicates senior corresponding author. First author indicates lead junior author.

Pinheiro, Flávio L., Dominik Hartmann, Ron Boschma, and **César A. Hidalgo**. "The Time and Frequency of Unrelated Diversification." *Research Policy* (2021)

Gao, Jian, Bogang Jun, Alex 'Sandy Pentland, Tao Zhou, and **César A. Hidalgo**. "Spillovers across industries and regions in China's regional economic diversification." *Regional Studies* (2021): 1-16.

Hidalgo, César A. "Economic complexity theory and applications." *Nature Reviews Physics* (2021): 1-22.

Hidalgo, César A., Elisa Castañer, and Andres Sevtsuk. "The amenity mix of urban neighborhoods." *Habitat International* 106 (2020): 102205.

Hidalgo, César A. "Trillion-dollar streets." *Environment and Planning B: Urban Analytics and City Science* 47, no. 7 (2020): 1133-1135.

Waniek, Marcin, Khaled Elbassioni, Flávio L. Pinheiro, **César A. Hidalgo**, and Aamena Alshamsi. "Computational aspects of optimal strategic network diffusion." *Theoretical Computer Science* 814 (2020): 153-168.

Balland, Pierre-Alexandre, Cristian Jara-Figueroa, Sergio G. Petralia, Mathieu PA Steijn, David L. Rigby, and **César A. Hidalgo**. "Complex economic activities concentrate in large cities." *Nature Human Behaviour* (2020).

Orghian, Diana, and **C.A. Hidalgo**. "Humans judge faces in incomplete photographs as physically more attractive." *Scientific Reports* 10, no. 1 (2020)

Waniek, M., Elbassioni, K., Pinheiro, F. L., **Hidalgo, C. A.**, & Alshamsi, A. Computational aspects of optimal strategic network diffusion. *Theoretical Computer Science*. (2020)

C. Jara-Figueroa, A. Yu, **C.A. Hidalgo**, "How the medium shapes the message: Printing and the rise of the arts and sciences." *Plos ONE* (2019)

C. Candia-Castro-Vallejos, C. Jara-Figueroa, A.-L. Barabasi, and **C.A. Hidalgo**. "The Universal Decay of Collective Memory and Attention" *Nature Human Behavior* (2018)

C. Jara-Figueroa, B. Jun, E. Glaeser, and **C.A. Hidalgo**. "The role of industry, occupation, and location specific knowledge in the survival of new firms," *Proceedings of the National Academy of Sciences* (2018)

F. Neffke, A. Otto, **C.A. Hidalgo**, "The mobility of displaced workers: How the local industry mix affects job search." *Journal of Urban Economics* (2018)

Alabdulkareem, Ahmad, Morgan R. Frank, Lijun Sun, Bedoor AlShebli, **César Hidalgo**, and Iyad Rahwan. "Unpacking the polarization of workplace skills." *Science advances* 4, no. 7 (2018).

A. Alshamsi, Pinheiro F., and **C.A. Hidalgo**. "Optimal diversification strategies in the networks of related products and research areas" *Nature Communications* 9.1 (2018)

C.A. Hidalgo, "Economic complexity: From useless to keystone." *Nature Physics* 14.1 (2018)

Naik, N., Komminers S, Raskar R, Glaeser E., **C.A. Hidalgo**, "Computer vision uncovers predictors of physical urban change." *Proceedings of the National Academy of Sciences*, 104(29): 7571–7576, (2017)

Hartmann, D., Guevara, M. R., Jara-Figueroa, C., Aristarán, M., & **C.A. Hidalgo**, "Linking economic complexity, institutions and income inequality." *World Development*. (2017)

N. Naik, R. Raskar, **C.A. Hidalgo**, "Cities Are Physical Too: Using Computer Vision to Measure the Quality and Impact of Urban Appearance" *The American Economic Review* 106:5 pp 128-132, (2016)

C.A. Hidalgo. "Disconnected, fragmented, or united? A trans-disciplinary review of network science." *Applied Network Science* (1) 1 (2016)

A.Z. Yu, S. Ronen, K. Hu, T. Lu, **C.A. Hidalgo**, "Pantheon 1.0, a manually verified dataset of globally famous biographies", *Scientific Data* (3) (2016).

M. Guevara, D. Hartmann, M. Aristarán, M. Mendoza, **C.A. Hidalgo**, "The Research Space: Using Career Paths to Predict the Evolution of the Research Output of Individuals, Institutions, and Nations", *Scientometrics*, (2016)

D. Smilkov, **C. A. Hidalgo**, L. Kocarev, "Beyond Network Structure: How heterogeneous susceptibility modulates the spread of epidemics," *Scientific Reports*, DOI:10.1038/srep04795, (2014)

J. Borondo, F. Borondo, C. Rodriguez-Sickert and **C.A. Hidalgo**, "To each according to its degree: the meritocracy and topocracy of embedded markets," *Scientific Reports*, DOI:10.1038/srep03784, (2014).

S. Ronen, B. Goncalves, K. Hu, A. Vespignani, S.A. Pinker, **C.A. Hidalgo**, "Links that Speak: The global language network and its association with global fame", *Proceedings of the National Academy of Sciences*, 111(52): E5616–E5622, (2014)

D. Bahar, R. Hausmann, and **C.A. Hidalgo**, “Neighbors and the evolution of the comparative advantage of nations: Evidence of international knowledge diffusion?”, *Journal of International Economics*, Vol. 92, No. 1, pp. 111-123, (2014)

Y-A de Montjoye, **C.A. Hidalgo**, M. Verleysen & V.D. Blondel, “Unique in the Crowd: The privacy bounds of human mobility”, *Scientific Reports*, DOI: 10.1038/srep01376, (2013)

M. Coscia, R. Hausmann and **C.A. Hidalgo**, “The Structure and Dynamics of International Development Assistance”, *Journal of Globalization and Development*, (2013)

P. Salesses, K. Schectner, and **C.A. Hidalgo**, “The Collaborative image of the City: Mapping the Inequality of Urban Perception”, *PLOS ONE*, 8(7): e68400 (2013)

Anne-Ruxandra Carvunis, Thomas Rolland, Ilan Wapinski, Michael A. Calderwood, Muhammed A. Yildirim, Nicolas Simonis, Benoit Charlotteaux, **C. A. Hidalgo**, Justin Barbette, Balaji Santhanam, Gloria A. Brar, Jonathan S. Weissman, Aviv Regev, Nicolas Thierry-Mieg, Michael E. Cusick, & Marc Vidal, “Proto-genes and de novo gene birth”, *Nature* 487 pp. 370-374, (2012)

S. Bustos, C. Gomez, R. Hausmann, **C.A. Hidalgo**, “The Dynamics of Nestedness Predicts the Evolution of Industrial Ecosystems”, *PLOS One*, 7(11): e49393. DOI 10.1371/journal.pone.0049393, (2012)

C.A. Hidalgo, R Hausmann, “The Building Blocks of Economic Complexity”, *Proceedings of the National Academy of Sciences*, 106(26): 10570-10575, (2009)

P. Wang, M.C. Gonzalez, **C.A. Hidalgo**, A.-L. Barabási, “Understanding the Spreading Patterns of Mobile Phone Viruses”, *Science*, No. 324, pp. 1071-1076, (2009)

C.A. Hidalgo, N. Blumm, A.-L. Barabási, N. Christakis, “A Dynamic Network Approach for the Study of Human Phenotypes”, *PLoS Computational Biology*, 5(4):e1000353, (2009)

M.C. Gonzalez, **C.A. Hidalgo**, A.-L. Barabási, “Understanding Individual Human Mobility Patterns”, *Nature*, No. 453 pp. 779-782, (2008)

C.A. Hidalgo, C. Rodriguez-Sickert, “The Dynamics of a Mobile Phone Network”, *Physica A*, Vol. 387, No. 12 pp. 3017-3024, (2008)

C.A. Hidalgo, B. Klinger, A.-L. Barabási and R. Hausmann, “The Product Space Conditions the Development of Nations”, *Science*, No. 317 pp. 482 – 487, (2007)

D. Dupuy*, N. Bertin*, **C.A. Hidalgo***, K. Venkatesan, D. Tu, D. Lee, J. Rosenberg, N. Svrzikapa, A. Blanc, A. Carnec, A.-R. Carvunis, R. Pulak, J. Shingles, J. Reece-Hoyes,

R. Newbury, R. Viveiros, W.A. Mohler, C. Le Peuch, I.A. Hope, R. Johnsen, D. Moerman, A.-L. Barabási, D. Baillie & M. Vidal. *These authors contributed equally. "Genome-scale Analysis of In Vivo Spatiotemporal Promoter Activity in *C. elegans*", *Nature Biotechnology*, No. 25 pp. 663 – 668, (2007)

V. Vermeirssen, M.I. Barrasa, **C.A. Hidalgo**, J. Aurielle, B. Babon, R. Sequerra, L. Doucette-Stamm, A.-L. Barabási, A.J.M. Walhout, "Transcription Factor Modularity in a Gene-Centered *C. elegans* Protein-DNA Interaction Network", *Genome Research*, Vol. 17, No. 7, pp. 1061 – 1071, (2007)

C.A. Hidalgo, A. Castro and C. Rodríguez-Sickert, "The effect of social interactions in the primary life cycle of motion pictures", *New Journal of Physics*, Vol. 6 p. 52, (2006)

C.A. Hidalgo, "Conditions for the Emergence of Scaling in the Inter-Event Time of Uncorrelated and Seasonal Systems", *Physica A*, Vol. 369, No. 2, pp. 877-883, (2006)

C.A. Hidalgo, F. Claro, P.A. Marquet, "Stationary States of a Random Copying Mechanism over a Complex Networks", *Physica A*, Vol. 353, p. 674, (2005)

Conference Papers (Peer-Reviewed)

Sherlock: A Deep Learning Approach to Semantic Data Type Detection. Madelon Hulsebos Hu, Kevin, Neil Gaikwad, Michiel Bakker, Emanuel Zraggen, **César Hidalgo**, Tim Kraska, Guoliang Li, and Çağatay Demiralp. KDD (2019)

Hu, K. Z., Bakker, M. A., Li, S., Kraska, T., & **Hidalgo, C. A.** VizML: A Machine Learning Approach to Visualization Recommendation. *Proceedings of the ACM SIGCHI Conference on Human factors in computing systems.* (2019)

Hu, Kevin, Neil Gaikwad, Michiel Bakker, Madelon Hulsebos, Emanuel Zraggen, **César Hidalgo**, Tim Kraska, Guoliang Li, and Çağatay Demiralp. "VizNet: Towards A Large-Scale Visualization Learning and Benchmarking Repository." *Proceedings of the ACM SIGCHI Conference on Human factors in computing systems.* (2019)

Hu, Kevin, Diana Orghian, and **César Hidalgo**. "DIVE: A Mixed-Initiative System Supporting Integrated Data Exploration Workflows." HILDA (2018).

César A. Hidalgo, Pierre-Alexandre Balland, Ron Boschma, Mercedes Delgado, Maryann Feldman, Koen Frenken, Edward Glaeser, Canfei He, Dieter F. Kogler, Andrea Morrison, Frank Neffke, David Rigby, Scott Stern, Siqi Zheng, Shengjun Zhu. "The Principle of Relatedness" ICCS 2018: Unifying Themes in Complex Systems IX pp 451-457 (2018)

De Nadai, Marco, Radu Laurentiu Vieriu, Gloria Zen, Stefan Dragicevic, Nikhil Naik, Michele Caraviello, **Cesar A. Hidalgo**, Nicu Sebe, and Bruno Lepri. "Are Safer Looking Neighborhoods More Lively?: A Multimodal Investigation into Urban Life." In Proceedings of the 2016 ACM on Multimedia Conference, pp. 1127-1135. ACM, (2016).

Dubey, Abhimanyu, Nikhil Naik, Devi Parikh, Ramesh Raskar, and **César A. Hidalgo**. "Deep learning the city: Quantifying urban perception at a global scale." In European Conference on Computer Vision, pp. 196-212. Springer International Publishing, (2016)

Nikhil Naik, Jade Philipoom, Ramesh Raskar and **Cesar A. Hidalgo**, "Streetscore - Predicting the Perceived Safety of One Million Streetscapes", *CVPR Workshop on Web-scale Vision and Social Media*, (2014)

Simoes, Alexander James Gaspar, and **César A. Hidalgo**. "'The Economic Complexity Observatory: An Analytical Tool for Understanding the Dynamics of Economic Development.'" *Scalable Integration of Analytics and Visualization*, (2011)

Other Major Publications (Editorially Reviewed)

Hidalgo, César A. "The Complexity of Increasing Returns." *BRIDGE* (2020)

Cesar A. Hidalgo, "The Rise of Knowledge Economics," *Scientific American*, (2018)

Cesar A. Hidalgo, "Not Quite Rational Man", *City Journal*, (2017)

Cesar A. Hidalgo, "What's Wrong With Open Data Sites and How to Fix Them", *Scientific American*, (2016)

Amy Yu, **Cesar Hidalgo**, "Is Fame Fair?", *Nature Scientific Data Author's Corner*, (2016)

Cesar Hidalgo, "How Much Information Can the Earth Hold?", *Scientific American* 313:2 pp. 72-75, (2015)

Cesar A. Hidalgo, "Think Like an Author, Not an Owner", *Harvard Business Review*, October (2015)

Cesar A. Hidalgo, "Refriending Facebook", *MIT Technology Review*, July (2014)

Cesar A. Hidalgo, "Saving Big Data from Big Mouths", *Scientific American*, (2014)

Cesar A. Hidalgo, "The Last 20 Inches: Data's Treacherous Journey from the Screen to the Mind", *MIT Technology Review*, (2014)

Ali Almosawi and **Cesar A. Hidalgo**, “The Data Visualization Revolution”, *Scientific American*, (2014)

C.A. Hidalgo, “Discovering Southern and East Africa's Industrial Opportunities”, *German Marshall Fund Economic Policy Series*, (2011)

C.A. Hidalgo, “Graphical Statistical Methods for the Representation of the Human Development Index and its Components”, *Human Development Research Paper*, 39, 2010

Hidalgo, Cesar. "The value in between: organizations as adapting and evolving networks." *The SAGE Handbook of Complexity and Management*. SAGE Publications, London (2011)

Book Chapters

Cesar A Hidalgo, “Under the Hood – The Computational Engine of Economic Development”, Chapter in *To the Man With a Hammer*, (2016)

Cesar Hidalgo, “Machines Don’t Think, but Neither Do People”, *What to Think About Machines That Think: Today's Leading Thinkers on the Age of Machine Intelligence*, pp. 102-106, Harper Collins, (2015)

Cesar Hidalgo, “Economic Growth”, *This Idea Must Die: Scientific Theories That Are Blocking Progress*, Harper Collins, p. 334, (2015)

Cesar Hidalgo. “Criticality” in *This Idea is Brilliant*. Harper Collins, (2017)

PRESENTATIONS AND INVITED LECTURES

Professor Hidalgo has presented as a Keynote or Invited speaker in more than one hundred and fifty different academic and professional events, including the global stage of TED. For more information about his speaking experience see <http://chidalgo.com>

Keynote Speaker, Chilean Society of Regional Studies SOCHER, 2021

Invited Speaker, DELoS Doctoral Program, University of Florence, 2021

Keynote Speaker, RAX Workshop, Volos, Greece, 2021

Keynote Speaker, Big Data & AI Paris, France, 2021

Invited Speaker, Maxim Speaker Series, Innovating: People, Spaces, Thing, 2021

Keynote Speaker, 23rd IEEE International Conference on Business Informatics, 2021

Invited Speaker, TICAL Conference, 2021

Keynote Speaker, ERSA Congress: Territorial Futures – Visions and Scenarios for a resilient Europe, 2021

Invited Speaker, ACM SIGGRAPH Conference, 2021

Invited Speaker, Rethinking the Foundations of AI, Santander Spain, 2021

Colloquium Speaker, Universidad de Los Andes, Chile 2021

Keynote Speaker, Singular Center for Research in Intelligent Technology, CiTIUS, 2021

Invited Speaker, Summer School in Computational Social Science, Bologna, 2021
Invited Speaker, EUI- Tech Frontier Talks, 2021
Invited Speaker, DEVI Seminar, 2021
Invited Speaker, I Simposium Internacional EDDERIA de Ética e Inteligencia artificial, 2021
Invited Speaker, Community of Practice (CoP), World Bank, 2021
Keynote Speaker, First Regional Conference on Complex Systems (CCS - France 2021)
Invited Speaker, Financial Conduct Authority TechKnow, 2021
Invited Speaker, Prodigio, 2021
Invited Speaker, Science Po, 2021
Invited Speaker, Digital Age Tech Summit – DATS21, 2021
Invited Speaker, Institute for Advanced Study in Toulouse -IAST Seminar, 2021
Invited Speaker, Toulouse School of Economics Digital Workshop, 2021
Invited Speaker, Energetic Forum “Paraguay 2040”, 2021
Invited Speaker, Digital Entrepreneurship, 2021
Invited Speaker, Talk at Google, 2021
Invited Speaker, Inspiring Science Lecture, University of Exeter, 2021
Invited Speaker, XXII Chilean Physics Symposium, 2020
Keynote Speaker, The 3rd China Artificial Intelligence Innovation Summit: The ‘Art and Technology’ Major Construction and Development Summit Forum, 2020
Keynote Speaker, KRDB- ER Online Summer Seminar - EROSS, 2020
Invited Speaker, Regional Inequality Conference in Europe, and the United States, 2020
Invited Speaker, Inspired AI & World Summit AI- INSAI20, 2020
Invited Speaker, BTG Talk, Santiago Chile, Online, 2020
Keynote Speaker, Geography of Innovation, Stavanger Norway, 2020
Colloquium Speaker, NYU Wagner School of Public Policy 2019
Keynote Speaker, Sansan Innovation Forum, Tokyo Japan, 2019
Invited Speaker, World Economic Forum, Davos, Switzerland, 2019
Colloquium Speaker, Northwestern University, 2018
Colloquium Speaker, University of Chicago, Booth School of Business, 2018
Colloquium Speaker, Harvard Business School, 2018
Colloquium Speaker, University of Pennsylvania, Wharton School of Business, 2018
Invited Speaker, Ciudad de Las Ideas, Puebla, Mexico, 2018
Keynote Speaker, NAIT Innovation Forum, Edmonton, Canada, 2018
Keynote Speaker, Flacso, Ecuador, 2018

Invited Speaker, 17th International Schumpeter Society Conference, Seoul, Korea, 2018
 Invited Speaker, TED, Vancouver, Canada, 2018
 Keynote Speaker, Service Exports Forum, Santiago Chile, 2018
 Invited Speaker, Sackler Colloquium, National Academy of Sciences, UC Irvine 2017
 Colloquium Speaker, Nazarbayev University, Astana Kazakhstan 2017
 Keynote Speaker, Open Society Foundation, Astana Kazakhstan 2017
 Keynote Speaker, CEDEPLAR, Belo Horizonte, Brazil, 2017
 Invited Speaker, International School and Conference on Network Science (NetSci), Indianapolis, Indiana, 2017
 Colloquium Speaker, Harvard Graduate School of Design, Cambridge, MA 2017
 Invited Speaker, SIAM International Conference on Data Mining (SDM17), Houston, 2017
 Invited Speaker, MIT's Regional Entrepreneurship Program (REAP), 2017
 Keynote Speaker, IADB conference on digital public innovation, Lima, Peru, 2017
 Invited Speaker, Committee on Science, Technology, and Innovation, Chilean Congress, Valparaiso, Chile, 2017
 Keynote, Cambiando Mentes, Cambiando Mentes, Santiago, Chile, 2016
 Invited Speaker, Mesha Talks, Belo Horizonte, MG, Brazil, 2016
 Invited Speaker, TedX Beacon Street, Boston, MA 2016
 Invited Speaker, Turner, Atlanta, Georgia, 2016
 Keynote Speaker, Better World by Design 2016, Providence, RI, 2016
 Plenary Speaker, The 16th Congress of the International Joseph A Schumpeter Society, Montreal, Québec, Canada, 2016
 Invited Speaker, OECD Forum, Paris, France, 2016
 Invited Speaker, FORCE 11 conference 2016, Portland, Oregon, 2016
 Invited Speaker, Schindler, Ermatingen, Switzerland, 2016
 Keynote Speaker, University of Monterrey, San Pedro Garza Garcia, Mexico, 2016
 Invited Speaker, IMF, Washington, DC 2016
 Invited Speaker, International Symposium on Science of Science, Washington DC 2016
 Keynote Speaker, Massachusetts Institute of Technology, Cambridge, MA, 2016
 Invited Speaker, University of Chicago Knowledge Lab, Chicago, IL, 2016
 Colloquium Speaker, University of Waterloo, Waterloo, Ontario, Canada, 2016
 Colloquium Speaker, RCI Fields Institute, Toronto, Ontario, Canada, 2016
 Colloquium Speaker, University of Toronto, Toronto, Ontario, Canada, 2016
 Invited Speaker, Networks, Complexity, and Economic Development Workshop, Budapest, Hungary, 2015
 Keynote Speaker, 212th Interurban Clinical Club, Boston, MA, 2015
 Colloquium Speaker, Northeastern University, Cambridge, MA, 2015
 Keynote Speaker, World Federation of Exchanges, MIT Media Lab, Cambridge, MA, 2015
 Keynote Speaker, Puerto Ideas, Valparaiso, Chile, 2015
 Invited Speaker, ICARE Brunch, Santiago, Chile, 2015
 Invited Speaker, El Mercurio Dinner, Santiago, Chile, 2015
 Colloquium Speaker, CEP Chile, Santiago, Chile, 2015
 Keynote Speaker, Oracle Latin America, Santiago, Chile, 2015
 Keynote Speaker, MIT Accenture Conference, Boston, MA, 2015
 Invited Speaker, Fidelity Investments, Boston, 2015
 Keynote Speaker, KNOWeSCAPE Conference, Mundandem, Mons Belgium 2015

Invited Speaker, CIRANO 11th Conference on Real-Time Data Analysis, Methods and Applications, Montreal, Canada, 2015
Keynote Speaker, Investor's Forum, CLSA, Hong Kong, China, 2015
Keynote Speaker, 25th year Anniversary of Thailand's Telecom Association, Thailand, 2015
Colloquium Speaker, The World Bank, 2015
Colloquium Speaker, New York University, New York City, New York, 2015
Invited Speaker, Mexico City Lab, Mexico City, Mexico, 2015
Keynote Speaker, Encuentros, Rotterdam, Netherlands, 2015
Invited Speaker, Utrecht University, Utrecht, Germany, 2015
Invited Speaker, Book Presentation, Harvard Bookstore, Cambridge, MA, 2015
Keynote Speaker, Cairico 25 year Anniversary, Santa Cruz, Bolivia, 2015
Keynote Speaker, National Association of Business Economists, Boston, MA, 2015
Colloquium Speaker, Second Home, London, UK, 2015
Invited Speaker, Author's Talk, Shoreditch House, London, UK, 2015
Colloquium Speaker, Nature, London, UK, 2015
Invited Speaker, Google Author's Talk, Google London, London, UK, 2015
Colloquium Speaker, Oxford INET, Oxford, UK, 2015
Colloquium Speaker, NESTA, London, UK, 2015
Colloquium Speaker, Royal Society of Arts, London, UK, 2015
Invited Speaker, NetSci, Zaragoza, Spain, 2015
Invited Speaker, CENAI Annual Event, Sao Paulo, Brazil, 2015
Colloquium Speaker, University of Washington, Seattle, WA, 2015
Colloquium Speaker, Microsoft Research, Seattle, WA, 2015
Invited Speaker, Russian Innovation Forum, 2015
Invited Speaker, Metaknowledge Meeting, University of Chicago, Chicago, IL, 2015
Keynote Speaker, CompleNet, New York City, New York, 2015
Invited Speaker, Massachusetts Institute of Technology, Scale, 2015
Keynote Speaker, Encuentros, Santiago, Chile, 2014
Colloquium Speaker, MIT, Sloan School of Management, 2014
Invited Speaker, Tech Talk, Google, Cambridge, MA, 2014
Invited Speaker, Santa Fe Institute, Santa Fe, NM, 2014
Invited Speaker, Wired 2014, London, UK, 2014
Invited Speaker, Advanced Technologies Forum, Riyadh, Saudi Arabia, 2014
Invited Speaker, Rethinking Economics, Columbia University, New York City, NY, 2014
Colloquium Speaker, St. Anthony Hall Society, Yale University, New Haven, CT, 2014
Invited Speaker, The Second Machine Age, MIT, Cambridge, MA, 2014
Keynote Speaker, Infrastructure and Environment Sector Knowledge Week, VA, 2014
Keynote Speaker, Knowledge Management in Organizations Conference, Chile, 2014
Keynote Speaker, ACM Hypertext Conference, Santiago, Chile, 2014
Keynote Speaker, 49th Banking Conference of Colombia, Cartagena, Colombia, 2014
Keynote Speaker, Eyeo Festival, Minneapolis, MN, 2014
Invited Speaker, Networks & Economic Complexity Seminar, World Bank & IMF, 2014
Keynote Speaker, The Future of Prediction, University of Vermont, Burlington, VT, 2014
Keynote Speaker, MBA Chile Conference, Cambridge, MA, 2014
Invited Speaker, Mercator Institute, Berlin, Germany, 2014
Invited Speaker, German Physical Society, Dresden, Germany, 2014

Colloquium Speaker, UNU Maastricht University, Maastricht, Netherlands, 2014
Invited Speaker, NESTA, London, England, UK, 2014
Keynote Speaker, Cardiff Digital Innovation Week, Cardiff, Wales, UK, 2014
Invited Speaker, Design Across Scales, Cambridge, MA, 2014
Keynote Speaker, Big Data, Belo Horizonte, Brazil, 2013
Keynote Speaker, Cisco Innovation Summit, Cancun, Mexico, 2013
Colloquium Speaker, Christakis Lab, Harvard University, Cambridge, MA, 2013
Invited Speaker, Old Doctor's Club, Harvard Faculty Club, Boston, MA, 2013
Invited Speaker, Encuentros 2013, Cambridge, MA, 2013
Colloquium Speaker, Center for Complex Networks Research, Northeastern University, Boston, MA, 2013
Colloquium Speaker, Christakis Lab, Harvard University, Cambridge, MA 2013
Keynote Speaker, Massachusetts Institute of Technology Latin American Conference, Cambridge, MA, 2013
Invited Speaker, FuturICT Workshop, MIT Media Lab, Cambridge, MA, 2013
Invited Speaker, Markle Economic Security, Markle Foundation, New York City, NY, 2012
Invited Speaker, An Evening With The Dean Conference series, Massachusetts Institute of Technology, Cambridge, MA, 2012
Invited Speaker, MIT ILP Conference, Cambridge, MA 2012
Invited Speaker, Wired for Change, Ford Foundation, New York City, NY, 2012
Invited Speaker, Congreso Alacero, Santiago de Chile, 2012
Keynote Speaker, Regular para Capacitar, Instituto Superior Técnico, Lisbon, Portugal, 2012
Invited Speaker, Innovations in Manufacturing, Brussels, Belgium, 2012
Colloquium Speaker, Large Graphs & Networks Seminar, UC Louvain, Belgium, 2012
Invited Speaker, United States International Trade Commission, Washington, DC 2012
Invited Speaker, Mathematical Foundations of Complex Networks, Kyoto University, 2012
Closing Plenary, World Economic Forum Meeting of New Champions, Tianjin, China, 2012
Invited Presentation, World Economic Forum Meeting of New Champions, China, 2012
Invited Speaker, Beta Zone Presentation, World Economic Forum, Tianjin, China, 2012
Keynote Speaker, Future of Everything Conference, Manchester, UK, 2012
Keynote Speaker, Maine International Trader Center, Rockport, ME, 2012
Closing Plenary, World Economic Forum Meeting of Latin America, Puerto Vallarta, 2012
Invited Speaker, World Bank PREM Seminar Series, Washington, DC 2012
Invited Speaker, VF FutureWear, Winston-Salem, NC, 2012
Invited Speaker, Prudential Retirement Leadership, Windsor, CT, 2012
Keynote Speaker, Summer School in Complex Systems, Instituto Sistemas Complejos, Valparaiso, Chile, 2012
Keynote, Media Lab at Tokyo, Tokyo, Japan, 2012
Invited Speaker, The Cutting Edge of Economic Development, Harvard University, 2011
Keynote Speaker, Congreso del Futuro, Santiago de Chile, 2011
Keynote Speaker, TOP-IX, Turin, Italy, 2011
Keynote Speaker, Council on Competitiveness, Washington, DC 2011
Invited Speaker, World Federation of Exchanges, MIT, 2011
Invited Speaker, MIT, Sloan School of Management, Cambridge, MA, 2011
Invited Speaker, DUC Chile, 2011
Invited Speaker, New England Complex Systems Institute, Cambridge, MA, 2011

Invited Speaker, Icosystems, Cambridge, MA, 2011
Invited Speaker, University of Michigan, Ann Arbor, MI, 2011
Colloquium Speaker, University of Pennsylvania, Wharton School of Business, 2011
Keynote Speaker, Inter American Development Bank, Buenos Aires, 2011
Keynote Speaker, Inter American Development Bank, Washington, DC 2011
Keynote Speaker, World Bank, Santo Domingo, Dominican Republic, 2011
Invited Speaker, LACEA, Santiago, Chile, 2011
Colloquium Speaker, ICOS, University of Michigan, Ross School of Business, 2011
Colloquium Speaker, Center of Cell Analysis & Modeling, University of Connecticut, 2011
Keynote Speaker, University of Western Ontario, School of Modern Languages and Literature, London, ON, Canada, 2011
Invited Speaker, APS March Meeting, Dallas, TX, 2011
Invited Speaker, Financial Networks Conference, West Point, 2011
Invited Speaker, The Cutting Edge of Economic Development (Dinner), Harvard University, Cambridge, MA, 2010
Invited Speaker, Penn State University, State College, PA, 2010
Invited Speaker, University of Arkansas, Sam M Walton College of Business, Fayetteville, Arkansas, 2010
Invited Speaker, Expert Panel on Trade and Development, UNCTAD, United Nations, Geneva, Switzerland, 2010
Invited Speaker, PREM Seminar, The World Bank, Washington, DC 2010
Keynote Speaker, TEDx Boston, Boston, MA, 2010
Keynote Speaker, Networks and Complexity Summer Course, Castro-Urdiales, Spain, 2010
Invited Speaker, Complenet, Rio de Janeiro, Brazil, 2010
Invited Speaker, Business Complexity, Suffolk University, Boston, MA, 2010
Colloquium Speaker, Federal University of Minas Gerais, Brazil, 2010
Colloquium Speaker, Erasmus University, Rotterdam School of Management, Rotterdam, Netherlands, 2010
Invited Speaker, The Evolution Cooperation, Indiana University, Bloomington, IN, 2010
Keynote Speaker, Diamond Exchange, Kohler, WI, 2010
Invited Speaker, The International School and Conference on Network Science (NetSci), Cambridge, MA, 2010
Keynote Speaker, Summer School in Complexity, Instituto de Sistemas Complejos de Valparaíso, Valparaiso, Chile, 2009
Keynote Speaker, 11th Annual Greater Boston Area Statistical Mechanics Meeting, 2009
Invited Speaker, Wonderful Speaker Series, Worcester Institute of Technology, Worcester, MA, 2009
Invited Speaker, University of Michigan, Ann Arbor, MI, 2007

LANGUAGES

English & Spanish

STUDENTS AND ALUMNI

Master Students (16) (Research Masters with Thesis)

Completed:

Alex Simoes, Phil Salesses, Shahar Ronen, Daniel Smilkov, Deepak Jagdish, Amy Yu, Manuel Aristarán, Mia Petkova, Ambika Krishnamachar, Elisa Castañer, Jingxian Zhang, Almaha Almalki, Sanjay Guruprasad.

In Progress:

Ines Louahadj, Lea Karbevaska, Jingling Zhang

PhD Students (6)

Completed:

Kevin Hu, Cristian Candia, Miguel Guevara, Cristian Jara-Figueroa

In Progress

Carlos Navarrete, Philipp Koch

Postdocs (6)

Dominik Hartmann, Flavio Pinheiro, Diana Orghian, Bogang Jun, Tarik Roukny, Jeff Alstot, Filipa de Almeida.