

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
School of Architecture and Planning
Faculty Personnel Record

Date: November 30, 2015

Full Name: Cesar A. Hidalgo Ramaciotti

Department: Program in Media Arts & Sciences

1 Date of Birth: December 22, 1979

2 Citizenship: Chile

Immigration Status: Permanent Resident (Green Card)

3 Education:

University	Degree	Date
Universidad Católica de Chile	Bachelor of Physics (Licenciado en Física)	2004
University of Notre Dame	Doctorate, Physics	2008

4 Title of Thesis for Most Advanced Degree:

Three empirical studies on the aggregate dynamics of humanly driven complex systems

5 Principal Fields of interest:

Complex Systems, Economic Complexity, Data Visualization, Network Science

6 Name and Rank of Other Departmental Faculty in Same Field: None

7 Name and Rank of Faculty of Other Departments in Same Field: None

8 Non-MIT Experience (including military service):

Employer	Position	Beginning – Ending
Dana Farber Cancer Institute, Harvard Medical School	Visiting Researcher	2005 – 2006
Center for International Development, Harvard University	Visiting Researcher	2006 – 2006
Santa Fe Institute	Visiting Scholar	2007 – 2007
Center for Complex Network Research, Northeastern University	Visiting Research Scholar	2007 – 2008
Center for International Development, Harvard University	Postdoctoral Research Fellow	2008 – 2010

Employer	Position	Beginning – Ending
Harvard Kennedy School, Harvard University		
	Adjunct Lecturer in Public Policy	2009 – 2013
Center for International Development, Harvard University		
	Faculty Associate	2010 – 2013
9 History of MIT Appointments:		
Assistant Professor, Media Arts and Sciences		2010 – 2015
Assistant Professor, Engineering Systems Division		2012 – present
Associate Professor, Media Arts and Sciences		2015 – present
10 Consulting Record:		
The Asian Development Bank, Central Asia Regional Economic Cooperation		2008 - 2012
The United Nations Development Programme, Human Development Report Office		2010 - 2010
Ministry of Customs and Trade, Turkey		2010 - 2010
United States International Trade Commission		2012 - 2014
National Science and Technology Program, Saudi Arabia		2014 - 2014
The World Bank		2014 - 2014
11 Department and Institute Committees, Other Assigned Duties:		
Activity		Beginning – Ending
MAS Faculty Search Committee		2011 – 2011
MASCOM PhD Committee		2014 – present
Libraries Committee		2015 – present
12 Government and Other Outside Committees. Service, etc.:		
Committee	Beginning	Ending
None		
13 Awards Received:		
Award		Date
University Of Notre Dame’s Award of Computational Sciences and Visualization		2008
Bicentennial Medal from the Chilean Congress, Valparaiso		2011
Global Agenda Council on Design & Innovation, World Economic Forum		2012
Young Global Leader, Class of 2013, World Economic Forum		2013
14 Current Organization Membership:		
Organization	Offices or Memberships Held: If any, include dates.	
American Physical Society		
15 Patents and Patent Applications Pending:	None	

16 Professional Registration: N/A

17 Projects:

“Place Pulse” (<i>pulse.media.mit.edu</i>)	09/2011
“The Observatory of Economic Complexity” (<i>atlas.media.mit.edu</i>)	10/2011
“Immersion” (<i>immersion.media.mit.edu</i>)	06/2013
“DataViva” (<i>www.dataviva.info</i>)	11/2013
“Pantheon” (<i>pantheon.media.mit.edu</i>)	03/2014
“Streetscore” (<i>streetscore.media.mit.edu</i>)	05/2014
“DIVE” (<i>www.usedive.com</i>)	

18 Symposia Organized:

NetSci	2010
Links	2013
Encuentros	2013

19 Teaching Experience of Cesar A. Hidalgo Ramaciotti:

List subjects taught in chronological order. Include subjects taught in the summer session as well as major IAP offerings. If you have taught subjects at another university, include them in the chronological list but insert headings as needed to identify universities. Term legend SS 86= Summer Session 1986; FT 86 =First Term 1986-1987; IAP 87 =MP 1986- 1987; ST87 =Second Term 1986- 1987; etc.

Term	Sub. No.	Title	Role	Enrollment
FT 08	API.309	Networks, Complexity and Economic Development <i>Harvard Kennedy School</i>	Lecturer	25
ST 09	API.309	Networks, Complexity and their Applications <i>Harvard Kennedy School</i>	Lecturer	25
2009	---	Network Science; <i>Universidad Politecnica de Madrid</i> <i>One-week Intensive Course</i>	Instructor	60
FT 09	API.309	Networks, Complexity and Economic Development <i>Harvard Kennedy School</i>	Lecturer	25
ST 10	API.309	Networks, Complexity and their Applications <i>Harvard Kennedy School</i>	Lecturer	25
2010	---	Cutting Edge of Economic Growth; <i>Harvard</i> <i>Executive Education</i>	Lecturer	80
2011	---	Cutting Edge of Economic Growth; <i>Harvard</i> <i>Executive Education</i>	Lecturer	80
ST 11	MAS.961	Special Topic – Media Tech	Lecturer	25
FT 11	MAS.S60	Special Subject in Media Technology	Lecturer	25
ST 12	MAS.581	Networks, Complexity, and Their Applications	Lecturer	25
2012	---	Cutting Edge of Economic Growth; <i>Harvard</i> <i>Executive Education</i>	Lecturer	80
2012	---	Leading Economic Growth; <i>Harvard</i> <i>Executive Education</i>	Lecturer	80

2012	---	Advance Certificate for Senior Executives; <i>Harvard Executive Education</i>	Lecturer	60
FT 12	MAS.S62	Special Subject in Media Technology	Lecturer	25
ST 13	MAS.581	Networks, Complexity, and Their Applications	Lecturer	25
ST 14	MAS.581	Networks, Complexity, and Their Applications	Lecturer	25
ST 15	MAS.581	Networks, Complexity, and Their Applications	Lecturer	25
FT 15	MAS.S70	Complexity Seminar	Lecturer	25

20 Publications of Cesar A. Hidalgo Ramaciotti:

Books:

1. R. Hausmann, C.A. Hidalgo, et al, *The Atlas of Economic Complexity*, MIT Press, 2013.
2. Cesar Hidalgo, *Why Information Grows: The Evolution of Order, from Atoms to Economies*, Basic Books, 2015.

Papers in Refereed Journals:

1. 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.
2. 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.
3. 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.
4. V. Vermeirssen, M.I. Barrasa, Cesar 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.
5. 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.
6. C.A. Hidalgo, B. Klinger, A.-L. Barabási and R. Hausmann, "The Product Space and its Consequences for Economic Growth", *Science*, No. 317 pp. 482 – 487, 2007.
7. CA Hidalgo, C. Rodriguez-Sickert, "The Dynamics of a Mobile Phone Network", *Physica A*, Vol. 387, No. 12 pp. 3017 – 3024, 2008.
8. M.C. Gonzalez, C.A. Hidalgo, A.-L. Barabási, "Understanding Individual Human Mobility Patterns", *Nature*, No. 453 pp. 779-782, 2008.

**Publications of Cesar A. Hidalgo Ramaciotti:
Papers in Refereed Journals, cont.**

9. 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.
10. 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.
11. C.A. Hidalgo, R Hausmann, “The Building Blocks of Economic Complexity”, *Proceedings of the National Academy of Sciences*, 106(26): 10570-10575, 2009.
12. R. Hausmann, C.A. Hidalgo, “The Network Structure of Economic Output”, *Journal of Economic Growth*, No. 16, pp. 309-342, 2011.
13. 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.
14. Anne-Ruxandra Carvunis, Thomas Rolland, Ilan Wapinski, Michael A. Calderwood, Muhammed A. Yildirim, Nicolas Simonis, Benoit Charleoteaux, 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.
15. Michele Coscia, Ricardo Hausmann and C.A. Hidalgo, “The Structure and Dynamics of International Development Assistance”, *Journal of Globalization and Development*, 2013.
16. Yves-Alexandre de Montjoye, C.A. Hidalgo, Michel Verleysen & Vincent D. Blondel, “Unique in the Crowd: The privacy bounds of human mobility”, *Scientific Reports*, DOI: 10.1038/srep01376, 2013.
17. Philip Salesses, Katja Schectner, and Cesar A. Hidalgo, “The Collaborative image of the City: Mapping the Inequality of Urban Perception”, *PLoS ONE*, 8(7): e68400. , 2013
18. Dany Bahar, Ricardo Hausmann, and Cesar 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.
19. Javier Borondo, Florentino Borondo, Carlos Rodriguez-Sickert and Cesar A. Hidalgo, “To each according to its degree: the meritocracy and topocracy of embedded markets,” *Scientific Reports*, DOI:10.1038/srep03784, 2014.
20. Daniel Smilkov, Cesar A. Hidalgo, Ljupco Kocarev, “Beyond Network Structure: How heterogeneous susceptibility modulates the spread of epidemics,” *Scientific Reports*, DOI:10.1038/srep04795, 2014.
21. Shahar Ronen, Bruno Goncalves, Kevin Hu, Alessandro Vespignani, Steven Pinker, Cesar A. Hidalgo, “Links that Speak: The global language network and its association with global fame”, *Proceedings of the National Academy of Sciences*, 2014.
22. Cesar A. Hidalgo and Elisa E. Castañer, "Do we need another coffee house? The amenity space and the evolution of neighborhoods", in preparation, 2015.

**Publications of Cesar A. Hidalgo Ramaciotti:
Papers in Refereed Journals, cont.**

23. Nikhil Naik, Scott Duke Kominers, Ramesh Raskar, Edward L. Glaeser, and Cesar A. Hidalgo, "Do People Shape Cities, or Do Cities Shape People? The Co- Evolution of Physical, Social, and Economic Change in Five Major U.S. Cities", *The National Bureau of Economic Research*, in preparation, 2015.
24. Amy Zhao Yu, Shahar Ronen, Kevin Hu, Tiffany Lu, Cesar A. Hidalgo, "Pantheon 1.0, a manually verified dataset of globally famous biographies", *Scientific Data*, accepted for publication, 2015.

Papers in Refereed Conference Proceedings:

1. 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.
2. 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.

Papers in Refereed Professional Journals: N/A

Other Major Publications:

1. F. Claro, C.A. Hidalgo, "Panorama Docente de las Ciencias Naturales en Educación Media", *Revista Educación*, No. 307, pp. 13-22, 2003.
2. F. Claro, C.A. Hidalgo, "Panorama docente de las matemáticas en Enseñanza Media", *Boletín de Investigación Educativa*, 19(2) pp. 163-171, 2004.
3. C.A. Hidalgo, R. Hausmann, "A Network View of Economic Development", *Developing Alternatives*, 12(1) pp. 5-10, 2008
4. C.A. Hidalgo, "Thinking Outside the Cube", *Physics World*, 21(12) pp. 34-37, 2008.
5. C.A. Hidalgo, "The Dynamics of Economic Complexity and the Product Space Over a 42 year Period", *CID Working Paper*, 189, 2010.
6. C.A. Hidalgo, "Graphical Statistical Methods for the Representation of the Human Development Index and its Components", *Human Development Research Paper*, 39, 2010.
7. C.A. Hidalgo, "Discovering Southern and East Africa's Industrial Opportunities", *German Marshall Fund Economic Policy Series*, 2011.
8. C.A. Hidalgo, "Discovering Southern and East Africa's Industrial Opportunities", *Sage Handbook on Management and Complexity*, Chapter 32, 2011.
9. Ali Almosawi, C.A. Hidalgo, "Going Beyond The One-Bit Democracy", *Wired UK*, November 2012.

**Publications of Cesar A. Hidalgo Ramaciotti:
Other Major Publications, cont.**

10. Cesar A. Hidalgo, "To See Where American Education Excels, Look Beyond The Tests", *WBUR, Cognoscenti*, 2013.
11. Ali Almosawi and Cesar A. Hidalgo, "The Data Visualization Revolution", *Scientific American*, March 2014.
12. Cesar A. Hidalgo, "The Last 20 Inches: Data's Treacherous Journey from the Screen to the Mind", *Technology Review*, March 2014.
13. Cesar A. Hidalgo, "Saving Big Data from Big Mouths", *Scientific American*, April 2014.
14. Cesar A. Hidalgo, "Refriending Facebook", *MIT Tech Review*, July 2014.
15. Cesar A. Hidalgo, "Planet Hard-Drive", *Scientific American*, Vol. 313, No. 2, pp. 72-75, August 2015.
16. Cesar A. Hidalgo, "Think Like an Author, Not an Owner", *Harvard Business Review*, October 2015.
17. Cesar Hidalgo, "Economic Growth", *This Idea Must Die: Scientific Theories That Are Blocking Progress*, p. 334, February 2015.
18. 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, October 2015.

Invited Lectures and Seminars:

1. Invited Speaker, University of Michigan, Ann Arbor, MI, 2007.
2. Invited Speaker, Wonderful Speaker Series, Worcester Institute of Technology, Worcester, MA, 2009.
3. Keynote Speaker, 11th Annual Greater Boston Area Statistical Mechanics Meeting, 2009.
4. Keynote Speaker, Summer School in Complexity, Instituto de Sistemas Complejos de Valparaíso, Valparaíso, Chile, 2009.
5. Invited Speaker, The International School and Conference on Network Science (NetSci), Cambridge, MA, 2010.
6. Keynote Speaker, Diamond Exchange, Kohler, WI, 2010.
7. Invited Speaker, The Evolution Cooperation, Indiana University, Bloomington, IN, 2010.
8. Colloquium Speaker, Erasmus University, Rotterdam School of Management, Rotterdam, Netherlands, 2010.
9. Colloquium Speaker, Federal University of Minas Gerais, Brazil, 2010.
10. Invited Speaker, Business Complexity, Suffolk University, Boston, MA, 2010.
11. Invited Speaker, CompleNet, Rio de Janeiro, Brazil, 2010.
12. Keynote Speaker, Networks and Complexity Summer Course, Castro-Urdiales, Spain, 2010.
13. Keynote Speaker, TEDx Boston, Boston, MA, 2010.
14. Invited Speaker, PREM Seminar, The World Bank, Washington, D.C., 2010.
15. Invited Speaker, Expert Panel on Trade and Development, UNCTAD, United Nations, Geneva, Switzerland, 2010.
16. Invited Speaker, University of Arkansas, Sam M. Walton College of Business, Fayetteville, Arkansas, 2010.
17. Invited Speaker, Penn State University, State College, PA, 2010.

Invited Lectures and Seminars, cont.:

18. Invited Speaker, The Cutting Edge of Economic Development (Dinner), Harvard University, Cambridge, MA, 2010.
19. Invited Speaker, Financial Networks Conference, West Point, 2011.
20. Invited Speaker, APS March Meeting, Dallas, TA, 2011.
21. Keynote Speaker, University of Western Ontario, School of Modern Languages and Literature, London, ON, Canada, 2011.
22. Colloquium Speaker, Center of Cell Analysis & Modeling, University of Connecticut, CT, 2011.
23. Colloquium Speaker, ICOS, University of Michigan, Ross School of Business, Ann Arbor, MI, 2011.
24. Invited Speaker, LACEA, Santiago, Chile, 2011.
25. Keynote Speaker, World Bank's Event on Evaluation, Santo Domingo, Dominican Republic, 2011.
26. Keynote Speaker, Inter American Development Bank, Washington, D.C., 2011.
27. Keynote Speaker, Inter American Development Bank, Buenos Aires, 2011.
28. Colloquium Speaker, University of Pennsylvania, Wharton School of Business, Philadelphia, PA, 2011.
29. Invited Speaker, University of Michigan, Ann Arbor, MI, 2011.
30. Invited Speaker, Icosystems, Cambridge, MA, 2011.
31. Invited Speaker, New England Complex Systems Institute, Cambridge, MA, 2011.
32. Invited Speaker, DUC Chile, 2011.
33. Invited Speaker, Massachusetts Institute of Technology, Sloan School of Management, Cambridge, MA, 2011.
34. Invited Speaker, World Federation of Exchanges, Massachusetts Institute of Technology, 2011.
35. Keynote Speaker, Council on Competitiveness, Washington, D.C., 2011
36. Keynote Speaker, TOP-IX, Turin, Italy, 2011.
37. Keynote Speaker, Congreso del Futuro, Santiago de Chile, 2011.
38. Invited Speaker, The Cutting Edge of Economic Development (Dinner), Harvard University, Cambridge, MA, 2011.
39. Keynote, ML @ 2012, Tokyo, Japan, 2012.
40. Keynote Speaker, Summer School in Complex Systems, Instituto Sistemas Complejos, Valparaiso, Chile, 2012.
41. Invited Speaker, Prudential Retirement Leadership, Windsor, CT, 2012.
42. Invited Speaker, VF FutureWear, Winston-Salem, NC, 2012.
43. Invited Speaker, World Bank PREM Seminar Series, Washington, D.C., 2012.
44. Closing Plenary, World Economic Forum Meeting of Latin America, Puerto Vallarta, 2012.
45. Keynote Speaker, Maine International Trader Center, Rockport, ME, 2012.
46. Keynote Speaker, Future Everything Conference, Museum of Science and Industry, Chicago, IL, 2012.
47. Invited Speaker, Beta Zone Presentation, World Economic Forum, Tianjin, China, 2012.
48. Invited Presentation, World Economic Forum Meeting of New Champions, Tianjin, China, 2012.
49. Closing Plenary, World Economic Forum Meeting of New Champions, Tianjin, China, 2012.
50. Invited Speaker, Mathematical Foundations of Complex Network Theory, Kyoto University, Kyoto, Japan, 2012.
51. Invited Speaker, United States International Trade Commission, Washington, D.C., 2012.
52. Colloquium Speaker, Large Graphs & Networks Seminar, UC Louvain, Belgium, Brussels, 2012.
53. Invited Speaker, Innovations in Manufacturing, Brussels, Belgium, 2012.
54. Keynote Speaker, Regular para Capacitar, Instituto Superior Técnico, Lisbon, Portugal, 2012.
55. Invited Speaker, Congreso Alacaer, Santiago de Chile, 2012.
56. Invited Speaker, Wired for Change, Ford Foundation, New York City, NY, 2012
57. Invited Speaker, Massachusetts Institute of Technology ILP Conference, Cambridge, MA 2012.
58. Invited Speaker, An Evening With The Dean Conference series, Massachusetts Institute of Technology, Cambridge, MA, 2012.
59. Invited Speaker, Markle Economic Security, Markle Foundation, New York City, NY, 2012.
60. Invited Speaker, FuturICT Workshop, MIT Media Lab, Cambridge, MA, 2013.

Invited Lectures and Seminars, *cont.*:

61. Keynote Speaker, Massachusetts Institute of Technology Latin American Conference, Cambridge, MA, 2013.
62. Colloquium Speaker, Christakis Lab, Harvard University, Cambridge, MA 2013.
63. Colloquium Speaker, Center for Complex Networks Research, Northeastern University, Boston, MA, 2013.
64. Invited Speaker, Encuentros 2013, Cambridge, MA, 2013.
65. Invited Speaker, Old Doctor's Club, Harvard Faculty Club, Boston, MA, 2013.
66. Colloquium Speaker, Christakis Lab, Harvard University, Cambridge, MA, 2013.
67. Keynote Speaker, Cisco Innovation Summit, Cancun, Mexico, 2013.
68. Keynote Speaker, Big Data, Belo Horizonte, Brazil, 2013.
69. Invited Speaker, Design Across Scales, Cambridge, MA, 2014.
70. Keynote Speaker, Cardiff Digital Innovation Week, Cardiff, Wales, UK, 2014.
71. Invited Speaker, NESTA, London, England, UK, 2014.
72. Colloquium Speaker, UNU Maastricht University, Maastricht, Netherlands, 2014.
73. Invited Speaker, German Physical Society, Dresden, Germany, 2014.
74. Invited Speaker, Mercator Institute, Berlin, Germany, 2014.
75. Keynote Speaker, MBA Chile Conference, Cambridge, MA, 2014.
76. Keynote Speaker, The Future of Prediction, University of Vermont, Burlington, VT, 2014.
77. Invited Speaker, Networks & Economic Complexity Seminar, World Bank & IMF, Washington, D.C., 2014.
78. Keynote Speaker, Eyeo Festival, Minneapolis, MN, 2014.
79. Keynote Speaker, 49th Banking Conference of Colombia, Cartagena, Colombia, 2014.
80. Keynote Speaker, ACM Hypertext Conference, Santiago, Chile, 2014.
81. Keynote Speaker, Knowledge Management in Organizations Conference, Santiago, Chile, 2014.
82. Keynote Speaker, Infrastructure and Environment Sector Knowledge Week, Leesburg, VA, 2014.
83. Invited Speaker, The Second Machine Age, Massachusetts Institute of Technology, Cambridge, MA, 2014.
84. Colloquium Speaker, St. Anthony Hall Society, Yale University, New Haven, CT, 2014.
85. Invited Speaker, Rethinking Economics, Columbia University, New York City, NY, 2014.
86. Invited Speaker, Advanced Technologies Forum, Riyadh, Saudi Arabia, 2014.
87. Invited Speaker, Wired 2014, London, UK, 2014.
88. Invited Speaker, Santa Fe Institute, Santa Fe, NM, 2014.
89. Invited Speaker, Tech Talk, Google, Cambridge, MA, 2014.
90. Colloquium Speaker, Massachusetts Institute of Technology, Sloan School of Management, 2014.
91. Keynote Speaker, Encuentros, Santiago, Chile, 2014.
92. Invited Speaker, Massachusetts Institute of Technology, Scale, 2015.
93. Keynote Speaker, CompleNet, New York City, New York, 2015.
94. Invited Speaker, Metaknowledge Meeting, University of Chicago, Chicago, IL, 2015.
95. Invited Speaker, Russian Innovation Forum, 2015.
96. Colloquium Speaker, Microsoft Research, Seattle, WA, 2015.
97. Colloquium Speaker, University of Washington, Seattle, WA, 2015.
98. Invited Speaker, CENAI Annual Event, Sao Paulo, Brazil, 2015.
99. Invited Speaker, NetSci, Zaragoza, Spain, 2015.
100. Colloquium Speaker, Royal Society of Arts, London, UK, 2015.
101. Colloquium Speaker, NESTA, London, UK, 2015.
102. Colloquium Speaker, Oxford INET, Oxford, UK, 2015.
103. Invited Speaker, Google Author's Talk, Google London, London, UK, 2015.
104. Colloquium Speaker, Nature, London, UK, 2015.
105. Invited Speaker, Author's Talk, Shoreditch House, London, UK, 2015.
106. Colloquium Speaker, Second Home, London, UK, 2015.
107. Keynote Speaker, National Association of Business Economists, Boston, MA, 2015.

Invited Lectures and Seminars, cont.:

108. Keynote Speaker, Cairico 25 year Anniversary, Santa Cruz, Bolivia, 2015.
109. Invited Speaker, Book Presentation, Harvard Bookstore, Cambridge, MA, 2015.
110. Invited Speaker, Utrecht University, Utrecht, Germany, 2015.
111. Keynote Speaker, Encuentros, Rotterdam, Netherlands, 2015.
112. Invited Speaker, Mexico City Lab, Mexico City, Mexico, 2015.
113. Colloquium Speaker, New York University, New York City, New York, 2015.
114. Colloquium Speaker, The World Bank, 2015.
115. Keynote Speaker, 25 year Anniversary of Thailan’s Telecom Association, Bangkok, Thailand, 2015.
116. Keynote Speaker, Investor’s Forum, CLSA, Hong Kong, China, 2015.
117. Invited Speaker, CIRANO 11th Conference on Real-Time Data Analysis, Methods and Applications, Montreal, Canada, 2015.
118. Keynote Speaker, KNOWeSCAPE Conference, Mundandeu. Mons, Belgium, 2015.
119. Invited Speaker, Fidelity Investments, Boston, 2015.
120. Keynote Speaker, Massachusetts Institute of Technology Accenture Conference, Boston, MA, 2015.
121. Keynote Speaker, Oracle Latin America, Santiago, Chile, 2015.
122. Colloquium Speaker, CEP Chile, Santiago, Chile, 2015.
123. Invited Speaker, El Mercurio Dinner, Santiago, Chile, 2015.
124. Invited Speaker, ICARE Brunch, Santiago, Chile, 2015.
125. Keynote Speaker, Puerto Ideas, Valparaiso, Chile, 2015.
126. Keynote Speaker, World Federation of Exchanges, MIT Media Lab, Cambridge, MA, 2015.
127. Colloquium Speaker, Northeastern University, Cambridge, MA, 2015.
128. Keynote Speaker, 212th Interurban Clinical Club, Boston, MA, 2015.

Works Published: N/A

21	Record of Research Funding for Cesar A. Hidalgo Ramaciotti	
	NIH Multi Scale Modeling of Sleep Behaviors in Social Networks, 2013 – 2018	\$110,569
	MISTI Seed Grant Chile, 2013 – 2014	\$29,700
	MISTI Seed Grant UAI, 2013 – 2014	\$27,390
	MISTI Seed Grant PUC, 2013 – 2014	\$28,339
	Google Living Labs Award, Discretionary, 2014	\$75,000
	University of Chicago Metaknowledge SIG, 2014 – 2015	\$25,000
	Colgate Data Visualization SIG, 2015 – 2016	\$200,000
	Knowledge Production Networks, 2015 – 2017	\$334,572

22 Theses Supervised by Cesar A. Hidalgo Ramaciotti:

Summary			
	Total	Completed	In Progress
S.B.	0	0	0
S.M. or other Master's degrees <i>Insert separate headings for different Master's degrees – MArch, SMarChS, MCP or others – where relevant.</i>			
As Advisor	12	8	4
As Reader	9	7	2
Ph. D.			
As Advisor	1	0	1
As Reader	2	1	1

S.B. Theses: None

S.M. Theses:

Alex Simoes, *The Observatory: Designing Data-Driven Decision Making Tools*, 2012.
 Mark Philip Saleses, *Place Pulse: Measuring the Collaborative Image of the City*, 2012.
 Shahar Ronen, *The Structure and Implications of the Global Language Network*, 2013.
 Amy Yu, *Pantheon, Visualizing the Structure and Dynamics of Global Cultural Production*, 2014.
 Deepak Jagdish, *Immersion: A Visual and Temporal Exploration of Email Metadata*, 2014.
 Daniel Smilkov, *Understanding Email Communication Patterns*, 2014.
 Elisa Castañer, *The Amenity Space and The Evolution of Neighborhoods*, 2014.
 Kevin Hu, *Towards DIVE: A platform for automatic visualization and analysis of structured datasets*, 2015.
 Cristian Jara Figueroa, *An Empirical View of Our Collective Memory*, anticipated 2016.
 Mirela Petkova, *Deploying UAVs for Autonomous Detection of Pavement Distress*, anticipated 2016.
 Manual Aristaran, *Democratizing Access to Government Expenditure Data*, anticipated 2016.
 Yazeed Awwad, *Network Analysis of the Global Economy*, anticipated 2016.

Doctoral Theses, Advisor:

Kevin Hu, untitled thesis, anticipated 2020.

Doctoral Theses, Reader:

Christos Nicolaidis, *Anomalous Transport in Complex Networks*, 2014. (Civil and Environmental Engineering)
 Akane Sano, *Measuring College Students' Sleep, Stress, Mental Health and Wellbeing with Wearable Sensors and Mobile Phones*, 2015.
 Nikhil Naik, *Visual Urban Computing Data*, anticipated 2016.