

## Fernanda R. Rosa

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### Education

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Ph.D. **American University** Washington D.C., U.S.

School of Communication, 2019, with distinction

**Dissertation:** *Global Internet Interconnection Infrastructure: Materiality, Concealment, and Surveillance in Contemporary Communication*

**Dissertation Committee:** Laura DeNardis (Chair); Aram Sinnreich; Nanette Levinson; Virgilio A. F. de Almeida.

MPP **Fundação Getulio Vargas (FGV)** São Paulo, Brazil.

Master's in Public Policy and Management, 2012, with honors

**Thesis:** *For an indicator of digital literacy: an approach on competencies and skills in ICT*

BA **Universidade de São Paulo (USP)** São Paulo, Brazil.

Bachelor's and Licentiate Degrees in Social Sciences, 2006

### Employment History (selected)

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**Virginia Tech, Department of Science, Technology, and Society** Blacksburg, U.S.

*Assistant Professor* (Aug, 2021 – )

**University of Pennsylvania, Annenberg School for Communication**

**Center for Advanced Research in Global Communication**

Philadelphia, U.S.

*Postdoctoral Fellow* (Aug, 2019 – Aug, 2021)

**American University, School of Communication**

Washington D.C., U.S.

*Ph.D. Researcher* (Sept, 2015 – July, 2019)

*Research Assistant* (Dr. Aram Sinnreich), *Intellectual Property and Freedom of Speech* (Fall 15/ Spring 16)

*Teaching Assistant* (Dr. Aram Sinnreich), *Digital Media and Culture* (Fall 16)

**Columbia University, Inst. of Latin American Studies and Lemann Center for Brazilian Studies**

*Research Associate* (Feb, 2014 - Sept, 2015)

NYC, U.S.

**Princeton University, Innovations for Successful Societies**

Princeton, U.S.

*Research Assistant (Feb, 2014 - Aug, 2014)*

**Article 19 (United Kingdom NGO)**

São Paulo, Brazil.

*Research Consultant (2013, 2017, 2018)*

**Secretariat of Human Rights, Presidency of the Republic**

Brasília, Brazil.

*Research Consultant (Oct, 2012 - May, 2013)*

**Department of Education in the City Hall of Sao Paulo**

São Paulo, Brazil.

*Adviser to the Secretary (Oct, 2011 – Oct, 2012)*

**IBOPE Intelligence Research and Consulting**

São Paulo, Brazil.

*Senior Research Executive (Apr, 2006 - Oct, 2011)*

### **Grants, Honors and Prizes (selected)**

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- 2020 Honorable Mention, Best Dissertation Award, Association of Internet Researchers (AoIR)
- 2019 Ph.D. dissertation defense passed with distinction
- 2018 Recipient of the TPRC 46 Best Student Paper Award – Second Prize, USD 500 (among over 20 submissions)
- 2017 Columbia University’s School of International and Public Affairs and Carnegie Corporation of New York Research Internet Governance Award, USD 10,000
- 2017 Google Policy Fellowship | Red en Defensa de los Derechos Digitales, Mexico, USD 7,500 (among 116 submissions)
- 2017 American University’s Graduate Studies Competition Grant, USD 5,000
- 2012 Masters thesis defense passed with honors

### **Peer-Reviewed Articles/ Book Review (Google Scholar [Link](#))**

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- 2021 **Rosa, F. R.** and Hauge, J. A. GAFAs information infrastructure distribution: Interconnection dynamics in the global North versus global South. *Policy & Internet* [Link](#)
- 2021 **Rosa, F. R.** Internet Interconnection Infrastructure: Lessons from the Global South. *Internet Policy Review* [Link](#)
- 2021 **Rosa, F. R.** Made in Brazil: Conspiracy Theory and the Flow of Information in One-to-One WhatsApp Conversations. *Preludios*. [Link](#)
- 2020 Vicentin, D.; **Rosa, F. R.** 5G e Covid-19: das teorias da conspiração ao domínio da infraestrutura de vigilância. *Revista Comciência*, n 218 [Link](#)
- 2018 **Rosa, F. R.** Book Review: Dubrofsky, R. E. and Magnet, S. A. (Eds.), *Feminist Surveillance Studies*, *International Journal of Communication* v. 12 [Link](#)

- 2018 **Rosa, F. R.** Understanding Algorithms: Properties and Dilemmas. In *Brazilian Network Information Center (ed.) ICT Households: Survey on the use of information and communication technologies in Brazilian households*. São Paulo: NIC.BR. pp. 193-198. [Link](#)
- 2016 **Rosa, F. R.** & Vicentin, D. Governança da Internet e suas Implicações para as Políticas Públicas *Critical Reviews on Latin American Research*, v. 5 n. 1, pp. 57-77 [Link](#)
- 2013 **Rosa, F. R.** Digital inclusion as public policy: disputes in the human rights field. *Sur - International Journal on Human Rights*, v. 10 n. 18, Jun, 2013 (English, Spanish and Portuguese), p. 32-53 [Link](#)

## Book

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- 2015 **Rosa, F. R.;** Azenha, G. S. *Mobile Learning in Brazil: Management and Implementation of Current Policies and Future Perspectives*. São Paulo: Zinnerama. 435p. (Book published in English and Portuguese) [Link](#)

## Book Chapters

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- 2021 **Rosa, F. R.;** Clifford. M.; Sinnreich, A. The More Things Change: Who Gets Left Behind as Remix Goes Mainstream? In Eduardo Navas, Owen Gallagher and xtine burrough *The Handbook of Remix Studies and Digital Humanities*, New York: Routledge. [Link](#)
- 2021 **Rosa, F. R.;** Dias; M. C. N. (in memoriam) Letramento digital: significados existentes e a proposição de um conceito. In: Pereira Neto, A.; Flynn, M. (orgs.). *Internet e Saúde no Brasil: Desafios e Tendências*. 1 ed. São Paulo: Cultura Acadêmica. [Link](#)
- 2020 **Rosa, F. R.** Infrastructure as 'public good': The Limits of Local Governance in a Global Internet. In *Critical Digital Sovereignities*. Philadelphia: CARGC Press. [Link](#)

## Book Manuscript in Preparation

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- 2022-23 **Rosa, F. R.** *The Internet from the South: An Ethnography of Code and Infrastructure*.

## Conference Papers

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- 2022 **Rosa, F. R.** Code Ethnography and the Materiality of Power in Internet Interconnection Infrastructure. *International Communication Association*, Paris (accepted).
- 2022 **Rosa, F. R.;** Soto-Vásquez, A.D. Communicative Borders and the Aesthetics of Otherness in the Representation of #migrantcaravan and #caravanamigrante on Instagram, *STS-MIGTEC*, Virtual.

- 2021 **Rosa, F. R.** Shared Networks: The Paths of Latin-Centric Indigenous Networks to a Pluriversal Internet, *Association of Internet Researchers (AoIR 2021)*, Philadelphia/ Virtual.
- 2021 **Rosa, F. R.;** Soto-Vásquez, A.D. “Aesthetics of Otherness: Representation of #migrantcaravan and #caravanamigrante on Instagram,” *International Communication Association*, Virtual.
- 2021 **Rosa, F. R.;** Hauge, J. A. GAFA’s Information Infrastructure Distribution: Implications for the Global South. TPRC 48, Washington DC/ Virtual. [Link](#)
- 2020 **Rosa, F. R.;** Vicentin, D. O Papel do Jornalismo na Desconstrução de Teorias da Conspiração: O Caso da Relação entre 5G e Covid-19, *43º Congresso Brasileiro de Ciências da Comunicação*, Virtual. [Link](#)
- 2020 **Rosa, F. R.** Code Ethnography and the Materiality of Power in Digital Communication Infrastructures. *Society for Social Studies of Science (4S 2020)*, Prague/Virtual.
- 2020 **Rosa, F. R.;** Soto-Vásquez, A.D. National Borders, Digital Bridges? The Mediation of Migrant Caravan on Instagram, Preconference in Digital Media in Latin America, *International Communication Association*, Virtual.
- 2019 **Rosa, F. R.** Code Ethnography: a Method for Studying Power Unbalances in Internet Infrastructure. *Rede de Pesquisa em Governança da Internet (REDE 2019)*, Manaus, Brazil.
- 2019 **Rosa, F. R.** Community Networks, Actor-Networks: The Politics of Internet Interconnection Infrastructure in Indigenous Connectivity Projects. *Society for Social Studies of Science (4S 2019)*, New Orleans, U.S.
- 2018 **Rosa, F. R.** Infrastructure Dependencies: The Internet Exchange Point Ecosystem from A Global South Perspective, *Association of Internet Researchers (AoIR 2018)*, Montreal, Canada
- 2018 **Rosa, F. R.** Internet Infrastructure as a Point of Control: Surveillance and Censorship through Internet Exchange Points. *Infrastructures as Regulation Conference*, New York University’s Law School, NY, U.S.
- 2018 **Rosa, F. R.** “Internet Infrastructure as a Network of Relations, Devices and Expectations: A Sociotechnical Approach to Internet Exchange Points” TPRC 46, Top 2 Student Paper Winner, Washington, DC, U.S.
- 2017 **Rosa, F. R.** “Education Policy and Technology Design: a Discussion on the One Laptop Per Student in Brazil” Partnership for Progress on the Digital Divide - ICA Pre-conference, San Diego, U.S.

### **Other Conference Activities**

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- 2022 Indigenous Peoples and Communication Strategies amid COVID-19, Roundtable, 18th Annual American Indian Studies Association (AISA), Virtual (accepted).

### **Teaching Experience**

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Virginia Tech, Instructor and Course Designer, *Introduction to Data in Social Context*, Undergraduate Seminar (Data and Decisions minor) (Spring, 2022)

University of Pennsylvania, Instructor and Course Designer, *Power and Design in Global Communication* Undergraduate seminar, (Fall, 2020). [Link](#)

American University, *Teaching Assistant (Dr. Aram Sinnreich), Digital Media and Culture*, Undergraduate seminar (Fall, 2016)

University of Pennsylvania's Center for Teaching and Learning, College Teaching, 8-week course (Fall, 2019)

## Advising Experience

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### Doctoral Committee Member (current)

- Nada Alwadi, Ph.D. in International Affairs (Virginia Tech), Internet Governance in the Middle East
- Francesca Battista, Ph.D. in STS (Virginia Tech), Postcolonial Dynamics in the STS field
- Nyu Wang, Ph.D. in STS (Virginia Tech), AI Ethics and Justice in China

### Masters Committee Member (current)

- Ralisa Dawkins, Masters in STS (Virginia Tech), AI and Disability Studies

### Masters Committee Co-Chair (finished)

2013 Gustavo Bernardino, Carolina Diniz, and Vagner Diniz, Master's in Public Policy and Management (Fundação Getulio Vargas), Human Rights Policy in Local Government

## Service Experience (selected)

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2022 Peer Reviewer for the Journal of Information Policy

2021 Peer Reviewer for the New Media and Society Journal

2021 Peer Reviewer for the Association of Internet Researchers (AoIR)

2021 Peer Reviewer for Rede de Pesquisa em Governança da Internet

2021 Co-organizer, IV Rede de Pesquisa em Governança da Internet (IV Internet Governance Research Network)

2021 Member of the International Committee of Scientific Reviewers for the Comunicar Journal

2021 Peer Reviewer for the Journal of Information Policy

2020 Peer Reviewer for the International Communication Association

2020 Peer Reviewer for the Discourse, Context & Media Journal

2020 Co-organizer, CARGC Fellows Conference

- 2019 Peer Reviewer for the Hawaii International Conference on System Sciences
- 2019 Peer Reviewer for the Rede de Pesquisa em Governança da Internet (Internet Governance Research Network) - REDE, Brazil
- 2019 TPRC Junior Fellow, two-year appointment (2019-2021)
- 2018 Annals Editor, Rede de Pesquisa em Governança da Internet (Internet Governance Research Network) - REDE, Brazil
- 2017 Academic Network co-founder, Rede de Pesquisa em Governança da Internet (Internet Governance Research Network) - REDE, Brazil
- 2016 Luncheon organization featuring former Brazilian President Dilma Rousseff and American University academics, American University, Washington, DC
- 2015 Conference organization “Mobile Learning in Brazil,” with public school teachers, academics, policymakers, congress members, NGO and private sector representatives, Columbia University, Brasilia, Brazil
- 2015 Conference organization “Lemann Dialogue 2015: Innovating in The Brazilian Public Sector,” with academics, policymakers, congress members, NGO and private sector representatives, Columbia University, NY, U.S.

### **Affiliations**

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American University, School of Communication, *Internet Governance Lab Fellow (2016-)*

Columbia University, Tech & Policy Initiative, *Next Generation Scholar (2016-2018)*

UNESCO (Paris), Education Sector, *Mobile Learning Expert (2017-2019)*

### **Professional Memberships**

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Association of Internet Researchers (AoIR)

International Communication Association (ICA)

Rede de Pesquisa em Governança da Internet (REDE) (co-founder)

Social Studies of Science Studies (4S)

Sociedade Brasileira de Estudos Interdisciplinares da Comunicação (INTERCOM)

### **Invited talks (selected)**

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2021 “The importance of being Earnest, a good Internet Citizen,” Workshop, Internet Governance Forum.

2021 “Tecnologia no Brasil 2020-2030: plataformação, IA e soberania de dados” Ação Educativa, Brazil, [Link](#)

2021 “Novos desafios da Internet e seus impactos geopolíticos,” Ciclo de Debates, School of Internet Governance and Anatel (Brazilian Telecommunications Regulator), Brazil [Link](#)

- 2021 “Information Infrastructures and the Challenges to Democracies,” 3<sup>o</sup> International Symposium on Innovation and Digital Governance, University of Brasilia, Brasilia, Brazil. [Link](#)
- 2020 “Etnografia do Código,” Fundação Oswaldo Cruz (FIOCRUZ) (discipline “Etnografia Virtual,” Professor André Pereira Neto).
- 2020 “Etnografia do Código,” Fundação Escola de Sociologia e Política (FESP) (discipline “Política e Internet,” Professor Rosemary Segurado).
- 2019 “Internet Interconnection Infrastructure,” Annenberg School for Communication (discipline Power and Flow in the Digital Age, Professor Monroe Price).
- 2019 “Quem Infraestrutura a Internet?,” Federal University of Amazonas, Brazil.
- 2018 “Internet Governance and Network Infrastructure” Panel, Communication and Democracy Seminar, Federal University of Bahia, Salvador, Brazil.
- 2016 “M&E in Mobile Learning Policies: lessons from Brazil” Mobile Learning Week, Plenary. UNESCO, Paris, France.
- 2016 “Internet Governance and the interplay between global and local initiatives: the case of “Marco Civil” ICA Pre-conference on Power, Communication, and Technology in Internet Governance.
- 2016 “Teacher Training Practices for Mobile Learning Policies: Lessons from Brazil,” Dujiangyan International Forum. UNESCO, Chengdu, China.

### **Panel Moderator**

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- 2021 Moderator, Infrastructures and the Global South, CARGC Fellows Conference, University of Pennsylvania.
- 2021 Moderator, Estratégias para a Inteligência Artificial, Fórum Permanente: Estratégias para a Inteligência Artificial, State University of Campinas, Brazil.
- 2021 Moderator, What is Internet Governance? International Seminar on Internet Governance, School of Internet Governance, Brazil.
- 2019 Moderator, Technology and Innovation in Education: How to Make it Sustainable? Lemann Dialogue, Columbia University.

### **Public Media/ Interviews (selected)**

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- 2020 Outras Palavras, Há algo Perverso na Comunicação Presidencial [Link](#)
- 2019 Tecnopolítica, Internet e Concentração de Poder, YouTube Channel and Podcast (+1,200 views) [Link](#)
- 2019 Brazil Talk, Columbia University, Internet Exchange Points [Link](#) and [Link](#)
- 2016 Fecomercio, Technology applied to Education, YouTube Video (+13,000 views) [Link](#)
- 2016 Estadão, O Debate sobre Tecnologia na Escola está atrasado [Link](#)

## **Language Skills**

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Portuguese: Native

English: Fluent (speaking, reading, writing)

Spanish: Fluent (speaking, reading), Advanced (writing)