Luis Felipe R. Murillo, Ph.D.
lfrmurillo@nd.edu | 238 Corbett Hall, Notre Dame, IN 46556-5602

EDUCATION

2015  University of California, Los Angeles
       Ph.D. Anthropology

2009  Universidade Federal do Rio Grande do Sul (UFRGS)
       M.A. Social Anthropology
       Thesis: “Technology, Politics, and Culture in the Brazilian Free and Open Source Community”

2006  Universidade Federal do Rio Grande do Sul (UFRGS)
       B.A. Social Sciences, emphasis in Social Anthropology

ACADEMIC APPOINTMENTS

2022–present  Assistant Professor, Anthropology department, University of Notre Dame
2019–2021  Research Associate, Center for Data Ethics and Justice, School of Data Science, University of Virginia
2018–2019  Lecturer, Interdisciplinary Social Sciences Master’s Program
           École Normale Supérieure (ENS) & École des Hautes Études en Sciences Sociales
           (EHESS) joint program, Paris, France
2018  Lecturer, Master’s Program in Humanities and French Culture
       École Polytechnique, Palaiseau, France
2016–2018  Post-Doctoral Researcher, Laboratoire Interdisciplinaire de Sociologie Économique
           (CNAM-CNRS), Institut Francilien Recherche Innovation Société, Paris, France

ACADEMIC AFFILIATIONS

2022–present  Research Fellow, Notre Dame Technology Ethics Center
2022–present  Research Fellow, Notre Dame Lucy Family Institute for Data and Society
2017–2019  Visiting Researcher, European Organization for Nuclear Research (CERN)
2014–2016  Research Fellow, Berkman Center for Internet & Society, Harvard University
2005  Exchange Student, Department of Anthropology, University of California, San Diego

RESEARCH AND TEACHING INTERESTS

Anthropology of Science and Technology, Computing, Science and Technology Studies, Political and Economic Anthropology, Digital Anthropology, Collaborative Ethnography, Commons, Hacking, Free and Open Source Technologies
PUBLICATIONS

Peer-Reviewed Articles


[ Murillo, CV ]
Edited Volumes and Special Issues


Book Chapters


2008  Carlos Alberto Steil and **Luis Felipe R. Murillo**. “Foreword” in *Body/ Meaning/ Healing* by Thomas Csordas (original title in Portuguese), Porto Alegre: Editora da Universidade, UFRGS.


[ Murillo, CV ]
Book Reviews


Public Scholarship


2018 Luis Felipe R. Murillo, Jenny Molloy, Shannon Dosemagen (Stewarding Authors) + 91 contributors. “Global Open Science Hardware Roadmap,” Sloan Foundation: Global Open Science Hardware (online).


Film

AWARDS, GRANTS, AND FELLOWSHIPS

Awards and Fellowships

2014–2016 Berkman Center for Internet and Society, Harvard University
Research Fellow

2009–2013 Fulbright
Doctoral Fellow

2007–2009 Coordination for the Improvement of Higher Education Personnel (CAPES)
Graduate Fellow

2006 Fund for the Improvement of Post-secondary Education / Coordination for the
Improve of Higher Education Personnel (FIPSE-CAPES)
Undergraduate Fellow

External Grants

2024-2025 Alfred P. Sloan Foundation, Ford Foundation: Digital Infrastructure Fund
Co-PIs: Luis Felipe R. Murillo (ND), Gabriel Alcaras (Université Gustave Eiffel),
Katie Hoelbering (OEDP), Shannon Dosemagen (OEDP) [$100,000]

2023 Wikimedia Foundation
Co-PIs: Luis Felipe R. Murillo (ND), Shannon Dosemagen (OEDP), Emilio Velis
(Appropedia), Michelle Thorne (Green Web Foundation), Alex Stinson (Wikimedia
Foundation), Evelin Heidel (Wikipedia Uruguay) [$40,000]

2023–2025 National Science Foundation
PI: Luis Felipe R. Murillo (ND); Co-PIs: Shannon Dosemagen (OEDP), Gerd Herber
(HDF Group), Don Brower (ND). Funding for “Socio-Environmental Knowledge
Commons (SEEKCommons) project” [$1,500,000]

2021–2025 National Science Foundation
PI: Howard Epstein (UVA); Co-PIs: Luis Felipe R. Murillo (ND), Matthew Jull
(UVA), Caitlin Wylie (UVA), Leena Cho (UVA). Funding for “Understanding the
Changing Natural-Built Landscape in an Arctic Community: An integrated sensor
network in Utqiagvik, Alaska” [$3,000,000]

2017–2018 Institut Francilien Recherche Innovation Société
Postdoctoral Research grant

University Grants

2019–2021 Strategic Investment Fund, University of Virginia
Co-PIs: Mona El Khaif (UVA), Andrew Mondschein (UVA) and Luis Felipe R.
Murillo (UVA). Funding for “Networked Public Space: Prototyping Civic
Infrastructures and the IoT”, [$200,000]
2014–2015  UCLA Center for Brazilian Studies
Jorge Paulo Lemann Fellowship [$20,000]

2013–2014  University of California Pacific Rim Program
Graduate Student Research Fellowship [$12,000]

2013  UCLA Latin American Institute
Dissertation Research Fellowship [$4,000]

2012  UCLA Terasaki Center for Japanese Studies
Kawahara Fellowship [$3,000]

2011  UCLA Center for the Studies of Women
Travel Grant [$2,000]

PRESENTATIONS

Invited Talks

2023  “The Common in Science and Technology” (original title in Portuguese), PUC-SP, Education dept., São Paulo, Brazil, August 8.

2023  “Hacking (for creating and severing) Ties,” Sci-Tech Asia speakers’ series (online), January 27.

2022  “Qu’est-ce que la ‘science ouverte’ signifie pour l’enquête ethnographique ?,” Centre Maurice Halbwachs, École Normale Supérieure, Paris, France, December 16.


2022  “Urgent Crises, Slow Solutions: A Conversation about the Open Movement, Craft Technologies and a Sustainable Internet,” Ars Electronica, Liz, Austria, September 10.

2021  “The Question of ‘Openness’ in Science and Technology,” School of Data Science, University of Virginia, November 23.


2018  “Open Data Politics: Data Sharing Beyond Public/Private Divides,” Center for Social Data Science (SODAS) and Department of Anthropology, University of Copenhagen, Copenhagen, Denmark, November 28.

“Why Do We Need An Academic Journal for Open Hardware?” Open Source for Science + Innovation symposium, Open Source Initiative (OSI), CIC, Boston, MA, April 5.


“Spaces and Places of Hacking.” Department of Science and Technology Studies, Rensselaer Polytechnique Institute, Troy, NY, May 16.


“Hacking as Transformative Experience,” 1st International Forum on Makers and Education, Department of Engineering, Tsinghua University, Beijing, China, November 29.

“Anthropology and/of Computing: Notes and Queries” Department of Sociology, Beijing University, Beijing, China, November 28.

“Computing Expertise: Intersections between STS and Anthropology,” Department of Science, Technology, and Society, Tsinghua University, Beijing, China, November 27.

Panels and Workshops Organized


Conference Papers and Presentations


2023  Co-authors: Luis Felipe R. Murillo (first author), Shannon Dosemagen, Gerd Heber, Don Brower, Katie Hoelbering, Lane Rasberry, Michelle Cheripka, Aleksandar Jelenak, John Readey. “Socio-Environmental Knowledge Commons: Common Technologies and Infrastructures for Socio-Environmental Research,” American Geophysical Union (AGU) annual conference, San Francisco, CA, December 12.


[ Murillo, CV ]
“When 'Open' is Still Far from 'Good Enough': the work of critical mapping with open technologies,” Society for Social Studies of Science (4S) annual meeting, Toronto, October 7.


“Another Infrastructure is Possible Experiments in Open Hardware for Research Infrastructures at CERN,” Society for Social Studies of Science Annual Meeting (4S), New Orleans, September 5.


“Designing Open Science Hardware: From Community Spaces to Open Laboratories?” Society for Social Studies of Science Annual Meeting (4S), Boston, MA, September 2.

“Pedal Transcriba: an Ethnographic Device of (and for) Qualitative Research,” Poster Session, Society for Social Studies of Science Annual Meeting (4S), Boston, MA, September 2.

“Forming a Global Hackerspace Network: Computing Expertise as Political Action at Global Scales?” Society for the Advancement of Socio-Economics (SASE), University Claude Bernard 1, Lyon, France, June 29.


“Hackerspaces: Alterglobalization of Computing Expertise?” (original title in Portuguese) Asociación Latinoamericana de Antropología (ALA), IV Congreso Latinoamericano de Antropología, Mexico City, Mexico, October 8.


2013  “Hacking and/as Bricolage,” Society for Social Studies of Science Annual meeting (4S), San Diego, CA, October 10.


2004  “The Virtual and the Political: Analysis of a Discursive Dispute Involving Corporate and Communitarian Approaches to the Internet” – nominee to the Young Scientist Award (original title in Portuguese), XVI Salão de Iniciação Científica, UFRGS, Porto Alegre, Brazil, October 25.

2004  “Electronic Discourse Analysis: From the Text to the Hypertext” (original title in Portuguese), VIII International Seminar on Language and Literature, Universidade Federal de Santa Maria, Santa Maria, Brazil, October 8.

2003  “Interfaces of Discourse Analysis: Contrasts between the French and Anglo-Saxon Schools” – nominee to Young Scientist Award (original title in Portuguese), XV Salão de Iniciação Científica, UFRGS, Porto Alegre, Brazil, October 29.

Invited Discussant


[ Murillo, CV ]


### TEACHING AND MENTORSHIP

**Undergraduate Courses**

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Title and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023–present</td>
<td>“Archaeology of Hacking”</td>
</tr>
<tr>
<td>2022–present</td>
<td>“Commons: tangible, intangible and otherwise”</td>
</tr>
<tr>
<td>2021–present</td>
<td>“How to do Things with Data”</td>
</tr>
<tr>
<td>2021–present</td>
<td>“Global Cultural Worlds: Fundamentals of Sociocultural Anthropology”</td>
</tr>
</tbody>
</table>

**Graduate Courses**

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Title and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023–present</td>
<td>“Commons: Graduate seminar” (Anthropology, U. of Notre Dame)</td>
</tr>
<tr>
<td>2020–2021</td>
<td>“Big Data Ethics” (Online Master’s Program in Data Science, School of Data Science, University of Virginia)</td>
</tr>
<tr>
<td>2019–2020</td>
<td>“Big Data Ethics” (Master’s Program in Data Science, School of Data Science, University of Virginia)</td>
</tr>
<tr>
<td>2019</td>
<td>“Internationalization of the Social Sciences” (Interdisciplinary Social Sciences Master’s Program, École Normale Supérieure (ENS) &amp; École des Hautes Études en Sciences Sociales (EHESS))</td>
</tr>
<tr>
<td>2019</td>
<td>“Introduction to Science and Technology Studies” (Master’s Program in Humanities and French Culture, École Polytechnique)</td>
</tr>
</tbody>
</table>

**Academic Advising**

**Postdoctoral researchers**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name and Notes</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022–present</td>
<td>Matías Milia (Anthropology, U. of Notre Dame)</td>
<td>post-doc (Supervisor)</td>
</tr>
</tbody>
</table>

**Graduate students**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name and Notes</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023–present</td>
<td>Insha Bashir (Anthropology, U. of Notre Dame)</td>
<td>Ph.D. student (Chair)</td>
</tr>
<tr>
<td>2022–present</td>
<td>Yun Xiu (Anthropology, U. of Notre Dame)</td>
<td>Ph.D student (Co-Chair)</td>
</tr>
<tr>
<td>2021–present</td>
<td>Mirella Shaban (Environmental Science, UVA)</td>
<td>Ph.D student</td>
</tr>
<tr>
<td>2022–2023</td>
<td>Ayşe Bursalı (Anthropology, U. of Notre Dame)</td>
<td>Ph.D student</td>
</tr>
<tr>
<td>2019–2020</td>
<td>James H. Montgomery (School of Data Science, UVA)</td>
<td>MS student</td>
</tr>
</tbody>
</table>
Undergraduate students

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Major</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2024–present</td>
<td>Xavier Reese (Computer Science, U. of Notre Dame), BSc student</td>
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<tr>
<td>2023–present</td>
<td>Jessica Ashman (Global Studies, U. of Notre Dame), BA student</td>
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<tr>
<td>2023</td>
<td>Kate Kirwan (Environmental Studies, U. of Notre Dame), BSc student</td>
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<td></td>
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<tr>
<td>2021–2023</td>
<td>Wesley Lewis (Computer Science and Mathematics, UVA), BSc student</td>
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<tr>
<td>2020–2021</td>
<td>Teagan Le (Computer Engineering, UVA), BSc student</td>
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<tr>
<td>2019–2020</td>
<td>Keerthi Radhakrishnan (Computer Engineering, UVA), BSc student</td>
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</tbody>
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RESEARCH EXPERIENCE

<table>
<thead>
<tr>
<th>Year</th>
<th>Project: “Beyond Openness, Toward the Commons?”</th>
</tr>
</thead>
<tbody>
<tr>
<td>2024–2025</td>
<td>Co-PIs: Luis Felipe R. Murillo (ND), Gabriel Alcaras (U. Gustave Eiffel), Katie Hoelbering (OEDP), Shannon Dosemagen (OEDP)</td>
</tr>
<tr>
<td></td>
<td>Funded by: Alfred P. Sloan Foundation, Ford Foundation, Open Collective</td>
</tr>
<tr>
<td></td>
<td>Project conception and coordination, quantitative and qualitative research on free and open source software development for environmental science applications; preparation of publications and presentations</td>
</tr>
</tbody>
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<tr>
<th>Year</th>
<th>Project: “Socio-Environmental Knowledge Commons (SEEKCommons)”</th>
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</thead>
<tbody>
<tr>
<td>2023–2025</td>
<td>PI: Luis Felipe R. Murillo (ND); Co-PIs: Shannon Dosemagen (OEDP), Gerd Herber (HDF Group), Don Brower (ND)</td>
</tr>
<tr>
<td></td>
<td>Funded by: National Science Foundation (award #2226425)</td>
</tr>
<tr>
<td></td>
<td>Project conception and coordination, research on “open technology” development for collaborative socio-environmental projects, postdoc and graduate student advising, design and implementation of research workshops</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Project: “Open Climate Fellowship”</th>
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<tbody>
<tr>
<td>2023</td>
<td>Co-PIs: Shannon Dosemagen (OEDP), Emilio Velis (Appropedia), Michelle Thorne (Green Web Foundation), Evelin (Wikipedia Uruguay), Alex Stinson (Wikimedia Foundation)</td>
</tr>
<tr>
<td></td>
<td>Funded by: Wikimedia Foundation</td>
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<tr>
<td></td>
<td>Research support and mentorship for the fellowship program</td>
</tr>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Project: “Understanding the Changing Natural-Built Landscape in an Arctic Community: An Integrated Sensor Network in Utqiagvik, Alaska”</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021–2025</td>
<td>PI: Howard Epstein (Environmental Sciences, UVA)</td>
</tr>
<tr>
<td></td>
<td>Co-PIs: Luis Felipe R. Murillo (ND), Matthew Jull (School of Architecture, UVA), Leena Cho (School of Architecture, UVA), Caitlin Wylie (Engineering and Society, UVA)</td>
</tr>
<tr>
<td></td>
<td>Funded by: National Science Foundation (award #2022639)</td>
</tr>
<tr>
<td></td>
<td>Data management, sensor network deployment, student advising, research on knowledge co-production with Alaskan communities</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Project: “Networked Public Spaces”</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019–2021</td>
<td>Co-PIs: Luis Felipe R. Murillo (School of Data Science, UVA), Mona El Khafff (School of Architecture, UVA) and Andrew Mondschein (School of Architecture, UVA)</td>
</tr>
<tr>
<td></td>
<td>Funded by: UVA Strategic Investment Fund</td>
</tr>
<tr>
<td></td>
<td>Open Hardware development, sensor network deployment, community science research</td>
</tr>
</tbody>
</table>

[ Murillo, CV ]
PI: Luis Felipe R. Murillo (Laboratoire Interdisciplinaire de Sociologie Économique, CNRS)
Funded by: Institut Francilien Recherche Innovation Société
Interviews, survey, code repository analysis, ethnographic field research

PI: Luis Felipe R. Murillo (Department of Anthropology, UCLA)
Funded by: University of California Pacific Rim Program, UCLA Latin American Institute, UCLA Terasaki Center for Japanese Studies
Life-history interviews, ethnographic field research

2010–2012 Project: “Women and Minority Astronomers Strategic Engagement with Distributed, Multi-Disciplinary Collaborations and Large-Scale Databases”
PI: Sharon Traweek (Department of Gender Studies, UCLA)
Funded by: National Science Foundation (award #0956589)
Ethnographic field research, life-history interviewing, social network visualization, data management

PI: Christopher Kelty (Center for Society and Genetics, UCLA)
Funded by: National Science Foundation (award #1025569)
Ethnographic field research, interviewing, data analysis

2007–2009 Project: “Politics, Culture and Technology in the Brazilian Free and Open Source Software Community” (original title in Portuguese)
PI: Luis Felipe R. Murillo (Department of Anthropology, UFRGS)
Funded by: Coordination for the Improvement of Higher Education Personnel (CAPES)
Ethnographic field research, interviewing, data analysis, social network visualization

2006 Project: “Cultural Diversity, Social Inequality, and the Pursuit of Health in Brazil and the United States,” Department of Anthropology, University of California, San Diego
PIs: Thomas Csordas (UCSD), Carlos A. Steil (UFRGS), and Ceres Victora (UFRGS)
Funded by: Fund for the Improvement of Postsecondary Education/ Coordination for the Improvement of Higher Education Personnel (FIPSE-CAPES)
Literature review, book translation project (Portuguese – English)

2005 Project: “Anthropological Study of Quilombola Communities in the State of Rio Grande do Sul” (original title in Portuguese)
PI: José Carlos Gomes dos Anjos (Department of Sociology, UFRGS)
Funded by: Social Sciences and Philosophy Institute, UFRGS
Ethnographic field research, interviewing, social network analysis

2003–2005 Project: “Interfaces of Discourse Analysis with the Social Sciences”
PI: Maria Cristina L. Ferreira (Department of Literature and Linguistics, UFRGS)
Funded by: Literature and Linguistics Institute (ILEA), UFRGS
Literature review, discourse analysis, conference organization, web development
OTHER PROFESSIONAL WORK EXPERIENCES

2015  Rensselaer Polytechnic Institute
       Technical Consultant, “Platform for Experimental and Collaborative Ethnography,” Research Data Alliance (RDA)

2001  Maredi Printing Company
       Computer Technician

SERVICE

Professional Service

Peer-review for scholarly journals

Cultural Anthropology
Anthropological Quarterly
Engaging Science Technology and Society
Tapuya: Latin American Science and Technology
Big Data and Society
Horizontes Antropológicos
Journal of Peer Production
Science, Technology and Human Values
British Journal for the History of Science
Annals of Anthropological Practice

Peer-review for book manuscripts

Oxford University Press
University College London Press

Reviewer for academic conferences

Association of Internet Researchers (IoIR)
Workshop Free Software (WSL)

Editorial Work

2020–2023  Section Editor, Journal of Open Hardware
2017–2020  Editor and Founder, Journal of Open Hardware
2013–2014  Editorial Assistant, Committee on the Anthropology of Science, Technology and Computing (CASTAC)
2012       Editorial Assistant, HAU Journal of Ethnographic Theory

University Service

2023–present  Anthropology dept., Speakers Committee, U. of Notre Dame
2021       Data Ethics Curriculum Subcommittee, School of Data Science, University of Virginia

[ Murillo, CV ]
Community Service

2020–2023  Open Climate Collective volunteer member
2020–2022  Software Developer, Anti-Eviction Mapping Project
2019–2021  Advisory Board Member, Charlottesville Center for Civic Innovation
2019–2021  Advisory Board Member, European Commission on the Impact of Open Source Software and Hardware for Europe
2013–2015  Advisory Board Member, The Ada Initiative (TAI)
2012–2014  Organizing Committee Member, International Free Software Forum (FISL)
2007–2010  Organizing Committee Member, International Free Software Forum (FISL)
2001–2003  Collective Member, Independent Media Center (IMC), Porto Alegre

LANGUAGES

Portuguese  [native speaker]

English  [fluent reading, writing, speaking: TOEFL 106/120]

French  [proficient reading, intermediary writing, intermediary speaking]

Spanish  [proficient reading, intermediary writing, intermediary speaking]

TECHNICAL PROFICIENCY

Pascal, C, C++ and Python programming
GNU/Linux system administration
Software project management (Agile methodologies, Kanban, Git)
Embedded systems design and development (AVR, ARM, Arduino, RIoT-OS, KiCad)
Database administration (PostgreSQL, InfluxDB, Grafana)
Data science tools (Jupyter, Pandas, HDF5)
Video streaming and editing (Gstreamer, Icecast, Kdenlive, Final Cut Pro)

PROFESSIONAL ASSOCIATIONS

American Anthropological Association (AAA)
Brazilian Association of Anthropology (ABA)
Society for Social Studies of Science (4S)
Latin American Studies Association (LASA)