

Education

- 2016 PhD in Cultural Anthropology from the University of California, Irvine. Dissertation: "Instabilities: An Ethnography of Mexican Earth and Expertise."
- 2009 MA in Social Sciences from the University of Chicago.
- 2005 BA in Anthropology from Reed College.

Academic Appointments and Affiliations

- 2018- Teaching Assistant Professor, Engineering, Design, & Society and Geophysics, Colorado School of Mines.

Past Academic Appointments and Affiliations

- 2019-2020 Social Science Researcher, Earthquake Science Center, USGS.
- 2017-2018 Post Doctoral Research Associate, Revolutionizing Engineering and Computer Science Departments, Shiley-Marcos School of Engineering at the University of San Diego.
- 2016-2017 Lecturer, Department of Sociology and Anthropology at Bucknell University.
- 2015-2016 Graduate Student Fellow, Newkirk Center for Science and Society.
- 2013-2014 Visiting Affiliate, Programa de Investigación Historia de la Ciencia at the Universidad Nacional Autónoma de México, Mexico City.

Selected Peer Reviewed Articles

- 2019 **Reddy E**, Hoople G and Choi-Fitzpatrick A. "Interdisciplinarity in Practice: Reflections on Drones as a Boundary Object." *Engineering Studies* (accepted for publication).
- 2019 Hoople G, Choi-Fitzpatrick A, **Reddy E**. "Drones for Good: Interdisciplinary Project Based Learning Between Engineering and Peace Studies" *International Journal of Engineering Education* (accepted for publication).
- 2019 **Reddy E**, Cakici B, and Ballustero A. "Beyond Detective Drama: Putting Algorithmic Accountability in Context." *Big Data & Society* (accepted for publication).
- 2019 **Reddy E**. "Crying 'Crying Wolf': Misfire and Meaningmaking with Mexico's Technoscientific Disaster Risk Management Tools." *Ethnos* (accepted for publication).
- 2018 **Reddy E**. "A World We Don't Know: Sensory Experience for and alongside Mexican Environmental Monitoring." *Journal of Political Ecology* 25 (1).
- 2017 Tapia Hernández, E, **Reddy E**, Oros Avilés, LJ. "Retos e Incertidumbres en la Predicción y Prevención del Riesgo Sísmico." *Revista de Ingeniería Sísmica* 96.
- 2016 **Reddy E**. "Alerta Sísmica: Matter, Meaning, and the Social Production of Earthquake Emergency." *Revista Iberoamericana de Comunicación* 30.

Selected Referred Chapters

- 2019 **Reddy E**. "Stability." Anthropocene Unseen: A Lexicon, C. Howe and A. Pandian, eds. New York: Punctum Books.

Selected Peer Reviewed Conference Papers

- 2019 **Reddy E**, Lucena J. "Engineering Students vs. Geological Risk in the Gold Supply Chain: Using Geological Risk in Gold Mining Communities to Overcome Technical Instrumentalism among Engineering Students."

- American Society for Engineering Education Annual Conference, Tampa, FL.
- 2019 **Reddy E**, Light L. “Designing For Stakeholders: Engineering and Applied Science Students Meet Stakeholders in a First-Year Undergraduate Introduction to Design Course.” American Society for Engineering Education Annual Conference, Tampa, FL.
- 2019 Przeźralski B, **Reddy E**, Lord S. “Teaching Social Responsibility in a Circuits Course .” American Society for Engineering Education Annual Conference, Tampa, FL.
- 2018 **Reddy E**, Przeźralski B, Lord S, Khalil I. “Introducing Social Relevance and Global Context into the Introduction to Heat Transfer Course.” American Society for Engineering Education Annual Conference, Salt Lake City, UT.
- 2018 **Reddy E**, Hoople G, Choi-Fitzpatrick A, Camacho M. M. “A Study of Situated Learning in “Drones for Peace,” a Team-Based Multidisciplinary Undergraduate Course.” American Society for Engineering Education Annual Conference, Salt Lake City, UT.

Essays and Other Writing

- 2018 **Reddy E**. “Speculative Fiction and Speculating about the Social.” Theorizing the Contemporary, *Cultural Anthropology* website.
- 2018 Anderson R, Backe E L, Nelms T, **Reddy E**, and Trombley J. “Speculative Anthropologies.” Theorizing the Contemporary, *Cultural Anthropology* website.
- 2016 **Reddy E**. “Stability.” Theorizing the Contemporary, *Cultural Anthropology* website.
- 2015 **Reddy E**. “The Earthquake Early Warning System that the West Coast (Almost) Already Has” on *Platypus*, the blog of the Committee for the Anthropology of Science, Technology, and Computing (CASTAC).
- 2014 Sloterdijk P, Boellstorff T, Berghof O, Lustig C, McCahey D, McCoy MR, **Reddy E**, Siakel DR, Valayden D, Wilson J, and Zani L, Gude R. “Satan at the Center and Double Rhizomes: Discussing ‘Spheres’ and Beyond with Peter Sloterdijk.” In the *Los Angeles Review of Books*. January 14th.
- 2014 **Reddy E**. “Doing Critique in K-12: Kim Fortun on Ethnography, Environment, and the EcoEd Research Group” on *Platypus*, the blog of the Committee for the Anthropology of Science, Technology, and Computing (CASTAC).
- 2014 **Reddy E**. “What Does it Mean to Do Anthropology in the Anthropocene?” on *Platypus*, the blog of the Committee for the Anthropology of Science, Technology, and Computing (CASTAC).

Awards, Grants, Fellowships

- 2019 Earthquake Hazards Program, United States Geological Survey.
- 2017 Women in STEM Post Doctoral Program Position at University of San Diego.
- 2015 Graduate Student Paper Prize honorable mention from the Committee for the Anthropology of Science, Technology and Computing.
- 2015 Associate Dean’s Fellowship from the University of California, Irvine School of Social Sciences.
- 2015 Newkirk Graduate Student Fellowship from the Newkirk Center for Science and Society at the University of California, Irvine.
- 2014 Doctoral Dissertation Research Improvement Grant from the National Science Foundation in Anthropology.
- 2013 Melvin Kranzberg Fellowship from the Society for the History of Technology.
- 2013 Grant-in-Aid from the American Institute of Physics.
- 2013 Dissertation Research Grant from the University of California Institute for Mexico and the United States.

Talks and Lectures

Selected Invited Lectures:

- 2019 “Measurement and the Moving Earth: How Mexican Engineering Identities Shape Seismic Risk Management.” Occasional Talk at the Department of Anthropology at Portland State University in Portland, OR in May.
- 2018 “Like a Donkey Playing the Flute: Developing Environmental Risk Mitigation Technology in Mexico and the US.” Occasional Talk at the School for the Future of Innovation at Arizona State University in Tempe, AZ in January.
- 2017 “Earthquake Early Warning: Lessons from Mexico for California.” American Association of Civil Engineers November Meeting in San Diego, CA in September.
- 2017 “Cultura Sísmica Mexicana.” Conference on La Ingeniería Civil y los Retos en los Análisis del Riesgo por Fenómenos Naturales: Percepción Social at the Universidad Autónoma de Baja California in September.
- 2017 “Mexico’s Formal Seismic Culture.” Seismic Cultures Workshop at the University of Washington in Seattle WA in September.
- 2017 “Crying Wolf: Misfire and Meaningmaking in Mexico.” STS Works in Progress Talk at Drexel University in Philadelphia, PA in April.
- 2016 “Communicating Alerts: Matter, Meaning, and the Social Production of Earthquake Emergency. Field Research and Teaching Lab at Bucknell University in Lewisburg, PA in April.
- 2016 “Misfire and Missed Opportunities: Disseminating Earthquake Early Warnings.” STS @ Ibero: First Cycle of Science and Technology Studies at Universidad Iberoamericana in Mexico City, Mexico in September.
- 2015 “La parte social: retos y necesidades en el mundo real.” Second Annual Symposium of Engineering and Architecture at the Universidad Autónoma de Baja California in April.
- 2015 Round Table on Outreach, San Diego-Tijuana Earthquake Scenario Workshop, coordinated by UC San Diego and the Earthquake Engineering Research Institute in February.

Selected Conference Talks:

- 2019 “Hypothetical Earthquake on an Empirical Border: Building a Seismic Scenario in the USA and Mexico.” Society for the Social Studies of Science, New Orleans LA in September.
- 2018 “Formalizing Security: Mexican Institutional Earthquake Safety Practices in the Making.” American Anthropological Association Annual Meeting, San Jose, CA in November.
- 2018 “On Mobile Geologies With Fellow Travelers: The Charisma and Social Work of Earthquake Magnitude.” American Society for Environmental History, Riverside CA in March.
- 2017 “Impossible Knowledge: Mexican Earthquake Expertise and Science Fiction's Techno-Optimisms.” American Anthropological Association Conference, Washington, DC in November.
- 2017 “risk = hazard x vulnerability: Equation and Intervention.” Society for Applied Anthropology Conference, Santa Fe NM in March.
- 2016 “How Geologies Count: Algorithmic Calculation and the Politics of Life on Shaky Ground.” Algorithms in Culture Workshop, Berkeley CA in December.
- 2016 “Surfacing: Mexican Seismicity Out of the Underground.” Association of American Geographers Conference, San Francisco CA in March.
- 2015 “The Magnitude of Mexico: Seismic Scientists and Engineers Encounter Earth Motion.” Governing the Inorganic Workshop, Santiago Chile in September.
- 2015 “When Can We Repair That Field Station?: Mexican Technoscientific Earthquake Risk Mitigation Meets Narco Violence.” Society for Applied Anthropology Conference, Pittsburgh PA in March.

- 2015 “Mexico’s Cultura de Prevención: Disaster Mitigation Experts Theorize Ways of Being.” American Anthropological Association Conference, Washington DC in December.
- 2014 “Experts and Earthquake Drills: Producing Affective Causality.” Repeat! The Logics of Exercises, Trainings, Tests and Rehearsals, Goldsmiths University of London United Kingdom in November.

Teaching

Selected Courses Developed and Led for Engineering and Applied Science Programs

- 2018 & 2019 Projects For People (EDNS 401) at Colorado School of Mines.
- 2019 Engineers Engaging Communities (EDNS 479) at Colorado School of Mines.
- 2019 Design 1 (EDNS 151/191) at Colorado School of Mines.
- 2019-2020 Capstone Engineering for Communities Design Studio (EDNS491) at Colorado School of Mines.

Selected Courses Developed and Led for Social Sciences and Environmental Studies Programs:

- 2017 Hazards, Risks, and Disasters (ANTH 203) at Bucknell University.
- 2016 Environmental Anthropology (ANTH 260) at Bucknell University.

Service and Other Work

Committees, Working Groups, and Positions:

- 2020 Steering Committee, Geohazards in the Time of COVID Working Group, Natural Hazards Center.
- 2019 Associate Editor for *Earthquake Spectra*.
- 2019 Working Group on Social Science for the ShakeAlert Joint Committee for Communication, Education, and Outreach of the USGS.
- 2018 Working Group on Science and Technology Studies In Practice for the Society for the Social Studies of Science. Member of the Steering Committee.
- 2016-2019 Committee for San Diego-Tijuana Earthquake Scenario Project. Member of the Socio-Economic Impact Working Group.
- 2015-2018 Committee for the Anthropology of Science, Technology and Computing of the American Anthropological Association. Annual Junior-Senior Mentorship program organizer.
- 2015-2020 Committee for the Anthropology of Science, Technology and Computing of the American Anthropological Association. Co-Chair.

Peer Review Service for Journals:

American Ethnologist, *Social Studies of Science*, *Engineering Studies*, *Journal of Cultural Economy*, *Cultural Studies Review*

Peer Review Service for Grants:

National Science Foundation: Directorate for Engineering

Associations and Societies

American Anthropological Association
Society for the Social Studies of Science
American Society for Engineering Education
Earthquake Engineering Research Institute
Society for Applied Anthropology