Farah Nájar Arévalo, MSc.

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Doctoral candidate, Innovation in Global Development PhD,
School for the Future of Innovation in Society (SFIS), Arizona State University

Doctoral dissertation working title: *Embodied knowledge: the missing node in the smart city.*
Summer 2025 (estimated)

Graduate supervisory committee:

- Dr. Alexandrina Agloro
- Dr. Diana Bowman
- Dr. Faheem Hussain
- Dr. Thaddeus Miller

1. RESEARCH INTERESTS

- Governance of urban emerging technologies
- International relations and global development
- Global, human and social dimensions of science, technology and innovation

2. ACADEMIC EXPERIENCE

2.1 Education

Master of Science in Global Technology and Development (2019)
Arizona State University (ASU)   GPA   3.76/4.0
Tempe, Arizona, United States

Bachelor of Arts in International Relations (2012)
Instituto Tecnológico de Estudios Superiores de Occidente (ITESO)   GPA   4.0/4.0
Guadalajara, Jalisco, Mexico

ITESO Study Abroad Program - (Fall 2011)
Vesalius College
Brussels, Brussels-Capital Region, Belgium

2.2 Funding

2.2.1 Fellowships
ASU Graduate College - Emeritus Faculty Fellowship (GCEFF) Recipient, Spring 2024

School for the Future of Innovation in Society (SFIS) *Graduate Fellowship on Justice Equity and Inclusion - Academic year 2021-2022*
Fellowship awarded at my department to plan, organize, and implement, reported recommendations on the state of diversity and inclusion at the department.

ASU – USAID US Global Development Lab- *Global Development Research Fellowship, Summer 2018 f*
Development studies research in Nazaré-Paulista, São Paulo, Brazil for the Project: "*A transdisciplinary approach to mapping the Cantareira System as a Socio-Technical-Ecological system.* Funded through the United States Agency for International Development (USAID).

ITESO - *Human Excellence fellowship*
Awarded by a partnership between ITESO University and my High School, Colegio Inglés Hidalgo for studying my undergraduate degree at ITESO

2.2.2 Awards
Graduate Professional Student Association (GPSA) - *Assembly member of the year award 2021-2022*

School for the Future of Innovation in Society (SFIS) at ASU Charter Awards:

- Fall 2021 - Innovation in Global Development Award for the core value of access.
- Fall 2020 - Innovation in Global Development Award for the core value of access
- Fall 2018 Global Technology and Development Award for the core values of Access, excellence and impact

2.2.3 Grants
Graduate Professional Student Association (GPSA) Travel Grant Fall 2023

Graduate College Travel Grant- Spring 2021

Grad week 2018 event funding – ASU Graduate and Professional Student Association (GPSA) Grant obtained through the SFIS Graduate Student organization to host and coordinate the participatory workshop "*Arizonian innovation and Latin American (anti)futures*"

2.3 Teaching and Mentoring Experience

2.3. 1 Instructor of record
ASU Interplanetary Initiative - Associate Instructor Fall 2022
IPI 296 Inquiry and IPI 496 Advanced Inquiry using the Big Questions method
Tempe, Arizona, United States

Middle East Entrepreneurs of Tomorrow, Massachusetts Institute of Technology
Summer 2019 Year 2 (Y2)- Co-Instructor
Course: Entrepreneurship
Jerusalem, Israel/Palestine, Middle East

2.3.2 Teaching Assistantships
Graduate Teaching Assistant Spring 2019 term
Course: BME 182 *Biomedical Design & Development I*, School of Biological and Health Systems Engineering
Tempe, Arizona, United States

Graduate Teaching Assistant - Fall 2018 and Fall 2017 terms
Course: FIS 111 *Welcome to the Future*, School for the Future of Innovation in Society (SFIS), ASU
Tempe, Arizona, United States

Graduate Teaching Assistant - Spring 2018 term
Course: FIS 305 *Ways of Knowing*, School for the Future of Innovation in Society, ASU
Tempe, Arizona, United States

2.3.3 Guest lectures
ASU Spring 2024 IPI 341 Designing and Making or an Interplanetary Future online mode) invited by Dr. Eric Stribling. Topic: "Designing inclusive cities"

ASU Fall 2023 FIS Welcome to the Future (online mode) invited by Dr. Alexandrina Agloro. Topic: "Cities of the future".

2.3.4 Undergraduate mentoring
ASU Engineering Projects in Community Service program (EPICS) – Design reviewer Spring 2020.
Assessment of the design and prototypes of engineering students working in a social impact challenge.

2.4 Publications

2.4.1 Academic publications
Hajric, E., Najar Arevalo, F., Bruce, L., Smith, F. A., & Michael, K. (2024). *Facial Emotion Recognition in the Future of Work: Social Implications and Policy Recommendations. IEEE Transactions on Technology and Society*, 1–10. https://doi.org/10.1109/TTS.2024.3477512

McAslan, D., Kenney, L., Najar Arevalo, F., King, D. A., & Miller, T. R. (2024). *Planning for uncertain transportation futures: Metropolitan planning organizations, emerging technologies, and adaptive transport planning*. Transportation Research Interdisciplinary Perspectives, 24, Article 101055. https://doi.org/10.1016/j.trip.2024.101055
https://www.sciencedirect.com/science/article/pii/S2590198224000411

McAslan, D., Najar Arevalo, F., King, D. A., & Miller, T. R. (2021). *Pilot project purgatory? Assessing automated vehicle pilot projects in U.S. cities*. Humanities & Social Sciences Communications, 8(1), 1–16. https://doi.org/10.1057/s41599-021-01006-2

Najar Arevalo, F. (2020) *Decoding the Public interest of Aarogya Setu, contact tracing app for managing the COVID19 pandemic in India*, IEEE International Symposium on Technology and Society (ISTAS) pp. 508-512, doi: 10.1109/ISTAS50296.2020.9462225. https://ieeexplore.ieee.org/document/9462225

2.4.2 Publications under submission
Najar Arevalo, F., McAslan, D., & Miller, T. R (2025) *Public Value Mapping in the Smart City: Assessing Emerging Urban Technologies.* Manuscript submitted for publication.

Min-Venditti, A., Friedman, L., Najar Arevalo, F., Jenik, A., Ribeiro Cruz, L., Agloro, A. (2025) *In the Spirit of Kitchen Tables: A Conversation on Citation and Politics*. Manuscript submitted for publication.

2.4.3 Publications in grey literature
Stopher, P. R., Magassy, T. B., Pendyala, R. M., McAslan, D., Najar Arevalo, F., & Miller, T. (2021, August). *An evaluation of the Valley Metro–Waymo automated vehicle RideChoice mobility on demand demonstration: Final report* (FTA Report No. 0198). Arizona State University; Federal Transit Administration, Office of Research, Demonstration and Innovation. https://doi.org/10.21949/1520684

2.4.4 Publications in popular writing
"Smart cities through social innovation" (Spanish)
IoT Republic magazine – July-August 2017 issue
Pages 20-21, retrievable at https://goo.gl/ddjQu6

"A seedbed of minds" (Spanish)
IoT Republic magazine – January-February 2017 issue
Pages 51-52 retrievable at https://goo.gl/uWL7UL

"Open Data Day Guadalajara 2016" (Spanish and English)
Codeando México blog, retrievable at https://red.novagob.org/open-data-day-guadalajara-2016/

2.5 Extra courses

Smart Communities: Definitions, Myths, History, & Future (Online-April 2025)
ASU Career Catalyst

CPR/AED & First Aid Certification (March 2025- expiration March 2027)
Maricopa County Human Services Workforce Development Division

Cars in Cities: Challenges and Alternatives. (Online-March 2025)
ASU Career Catalyst

Designing Feminist Research, with The New School (Fall 2023 on Zoom)

Inclusive and non-exclusive language (use in Spanish), provided by Mexico's Museum of Memory and Tolerance (June 2020 on Zoom)

Project Management Techniques for Development Professionals by the Inter-American Development Bank (EDx MOOC, June 2016)

Project Management Basics by the project Management Institute, Guadalajara Chapter (December 2013)

2.6 Academic events and conferences

2.6.1 Conferences presentations

ASU Future of Learning Communities (FOLC) Fest

"AI in Higher Ed: Dilemmas and Dialogue" (2 panels):

Play presentation: *AI Theatre: Learning Revolution or Technology's Takeover?* – Cast member

Panel discussion: *To AI or to not AI: The Graduate Student's Dilemma* – Moderator

February 2025

Tempe, Arizona, United States

Automation and Human Labor in Content Moderation and Beyond

Legal Script

September 12, 2024

Online on Zoom

Annual meeting of the Society for Social Studies of Science (4S)

Panel: "Uninhabitable? Decolonizing the Promise and Politics of Dwelling from Subnautical to Suborbital."

Presentation: *Pedagogy of interplanetary habitability: designing livable cities in space*

November 2023

Honolulu, Hawaii

International Conference on Anticipation 2022

Curated Session: *Feminist anticipation across layers of smartness: Social implications and risks*

Presenters: Toby Shulruff, Elma Hajric and Farah Najar Arevalo

November 16-18th 2022

Tempe, Arizona, United States

Conference on Governance of Emerging Technologies and Science (GETS 2022)

Panel: "Automated Transportation"

Presentation: *Emerging Technologies in Urban Mobility: A Qualitative Analysis of Regional Planning in the USA*

May 19 -20th, 2022

Phoenix, Arizona, United States

International Studies Association (ISA) Annual Convention 2022

Panel: "Fresh Perspectives in Feminist Political Economy"

Presentation: *Smart cities in the global development agenda: a process and place*

March 28th - April 2nd, 2022

Nashville, Tennessee, United States

IEEE's International Symposium on Technology and Society (ISTAS 20)

Panel: "Public Interest Technology New America Graduate Student Panel"

Presentation: *Decoding the Public Value in Arogya Setu, the contract tracing app to manage the COVID19 in India*

November 12-15th, 2020

Online on Zoom

[University of Sussex SPRU 26th Annual Science Policy Research Unit (SPRU) PhD Forum](#)
Panel: Information Technologies: Practices, Imaginaries, and Futures with the presentation *A Feminist analysis of the Smart city*
May 2020
Online on Zoom. [Recording available](#)

[New America Public Interest Technology (PIT) University Network](#)
Panel: Graduate student led PIT
Online on Zoom. Recording available

ASU Sandra Day O'Connor College of Law, Center for Law, Science and Innovation, Seventh Annual Conference on Governance of Emerging Technologies
Poster presentation "*Effectiveness of Digital Civic Engagement (DCE) tools in the city's development: a comparative analysis*"
May 2019, Phoenix, Arizona, United States

ASU's School of Sustainability, Global Development Research program
Celebrating ASU's Global Development Research Program
Poster presentation "*A transdisciplinary approach to mapping the Cantareira System as a Socio-Technical-Ecological system*".
May 2018, Tempe, Arizona, United States

2.6.1 Conferences and academic events organized
ASU Consortium for Science, Policy & Outcomes (CSPO) and Arizona Science Center
Editing Our Genome? Public Forums on Framing Our Biological Futures
Table facilitator
September 2021, Phoenix, Arizona, United States

ASU Consortium for Science, Policy & Outcomes (CSPO)
We Are the Internet: U.S. Community Forums
Table facilitator
October 2020, on Zoom during the COVID19 pandemic

ASU Consortium for Science, Policy & Outcomes (CSPO)
Our Driverless Futures: Community Forum on Automated Mobility (Participatory Technology Assessment)
Table facilitator
May 2019, Phoenix, Arizona, United States

ASU Consortium for Science, Policy & Outcomes (CSPO)
Cooling a Warming Planet? A Public Forum on Climate Intervention Research Participatory Technology Assessment)
Table facilitator
September 2018, Phoenix, Arizona, United States

3. WORK EXPERIENCE

3.1 Research Experience
Graduate Research Assistant (GRA) and Graduate Service Assistant (GSA)- College of Global Futures
- GSA with the [Arizona Consortium for Community Engagement, Innovation, and Learning on Consent-Based Siting (CCEIL-AZ)-](#) Fall 2023 - ongoing.
- GSA with the School for Complex Adaptive Systems, Summer 2023
- GSA under the supervision of Dr. Alexandrina Agloro (2022-223) and Dr. Faheem Hussain (Summer-Fall 2023)
- GRA at the SFIS Justice, Equity, Diversity and Inclusion Taskforce current tasks include documentation of projects and processes, mapping similar initiatives in other departments and universities. 2021-2022
- GSA at the Civic Science Environmental Futures Collaborative current tasks include interview research design, data collection and coding 2021.

Graduate Research Assistant at the Center for Smart Cities and Regions, ASU 2019-2020 academic year, Fall 2019- Fall 2020
- Assisting in four projects related to emerging technologies in urban mobility and social dimensions of the smart city.
- Developed research design, interview analysis and coding.
- Developed research design and supported planning and coding of focus groups.
- Project management
Tempe, Arizona, USA

Research Coordinator - October 2016 to July 2017
Guadalajara Ciudad Creativa Digital Trusteeship, Government of the state of Jalisco
Guadalajara, Jalisco, México

3.2 Other work Experience
Project Manager Jr. – October 2013 to September 2016
Instituto Jalisciense de Tecnologías de la Información (IJALTI)
Guadalajara, Jalisco, Mexico

3.3 Internships (during masters studies)
City of Tempe Strategic Management Intern Program – February to April 2019

3.4 Internships (during undergraduate studies)
Kineos (economic development and strategic planning consultancy firm) - Summer 2012
Guadalajara, Jalisco, Mexico

Consular section of the Embassy of Mexico to the Kingdom of Belgium, Luxembourg and Mission to the European Union - Fall 2011

Office of International Cooperation for Development at the International Affairs Direction, Government of the state of Jalisco - Spring 2011
Guadalajara, Jalisco, México

3.5 Service and Volunteering

3.5.1 General service and volunteering

USAID & UK Research and Innovation (UKRI) July 2021. Notetaker

At the Inclusive Digital Development Workshop: https://www.rtachesn.org/stories-and-news/inclusive-digital-development/

3.5.2 Service at ASU graduate student organizations (Fall 2017 – Present):

- Gen AI Graduate. Fall 2023- present Graduate Student committee to discuss and propose policy recommendations to ASU on the incorporation of Artificial Intelligence tools.
- Assembly President, Graduate Professional Student Association (GPSA) term May 10th, 2022, to May 9TH 2023
- SFIS assembly member representative at GPSA assembly– 2021-2022 academic year
- Mexican Graduate Student Association-Event planning Officer – Fall 2020 to Fall 2021
- School for the future of Innovation in Society Graduate Student Organization (SFIS GSO), Spring 2018 and Fall 2018 – Special projects and Events coordinator
- #DayWithoutCars at ASU Day 2018: engaging people to spin a wheel and provide transportation trivia and encouraging to take any transportation alternative to a single-occupancy car ride

3.5.3 International Civil society service

- Bikemaps.org translator - Fall 2018 and Spring 2019
- Meetroopers (National network for entrepreneurship, innovation and technology communities). September 2016 to July 207: Cochair
- Codeando México (tech NGO) October 2015 to July 2017
- Internet Society, Mexico Chapter. Rapporteur for the Smart Cities conferences in the framework of the United Nations Internet Governance Forum (IGF) 2016.
- United Nations Online Volunteering Program October 2013 to Summer 2015. Searched news and publications about women's rights, gender equality for the blog posting of the nigerian NGO Delta Women (in English, Spanish and French).

3.5.4 Academic journals reviewer

- World Futures Review (1 article) Spring 2023
- Current Issues Education (3 articles) AY 2023 – 2024
- IFIP Cape Town Working Group 9.4 Working Group 9.4 of the International Federation of Information Processing (IFIP) on the Implications of Information and Digital Technologies for Development 2023 (2 articles)-Fall 2023

4. SKILLS

4. 1 Interpersonal Skills

- Foreign languages: Spanish as first language, advanced proficiency in English, fluent in French and Portuguese
- Creative problem solving
- Teamwork and inclusive collaboration
- Global & intercultural fluency
- Learnability
- Project management

4.2 Technical skills

- Research skills
- Digital skills: Microsoft Office Suite
- Digital readiness
- Data management: R and R Studio, MAXQDA

5. OTHER

5.1 Media
ASU Space for Humans YouTube channel
En el Spotlight de las Nuevas Naciones Espaciales: América Latina y el Caribe
In Spanish, English subtitles available
 March 2025

ASU Space for Humans YouTube channel
Spotlight on New Spacefaring Nations: Latin America + the Caribbean
March 2025

ASU News
Humanities Institute hosts Writing Studio to foster community
August 2024

ASU Space for Humans YouTube channel
First video clip of the channel on "What a Space Toilet Can Teach Us About Inclusive Design
February 2024

College Magazine article.
The Ins-N-Outs of Student Government: An Interview with Arizona State's GPSA Assembly President
Spring 2023

ASU Interplanetary Initiative YouTube channel
Spring Transmission
 Instructor Highlight Spring 2023

ASU News
[Developing public interest technology for the future](link)
December 2020

City of Tempe YouTube channel
[Internship experience video](link)
March 2019