Fabio Miranda

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, COLLEGE OF ENGINEERING
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Research Interests

I am interested in developing techniques that allow for the interactive visual analysis of large-scale data, combining methods from visualization, data management, machine learning and computer graphics. I have worked closely with domain experts from different fields and the outcome of these collaborations included not only research published in leading venues, but also systems that were made available to experts in academia, industry and government agencies. My work has also received extensive coverage from different media outlets, including The New York Times, The Economist, Architectural Digest, Curbed, among others.

Education

2012 - 2018	**Ph.D. in Computer Science**	New York, NY, USA

New York University (NYU)
Advised by Professor Cláudio T. Silva, IEEE Fellow
Dissertation: "Data structures for the interactive visual analysis of urban data".

2009 - 2011	**M.S. in Computer Science**	Rio de Janeiro, RJ, Brazil

Pontifical Catholic University of Rio de Janeiro (PUC-Rio)
Advised by Professor Waldemar Celes.
Thesis: "Volume rendering of unstructured hexahedral meshes".

2005 - 2009	**B.S. in Computer Science**	Belo Horizonte, MG, Brazil

Federal University of Minas Gerais (UFMG)
Advised by Professor Luiz Chaimowicz.

Professional Experience

Oct. 2020 - present	**University of Illinois at Chicago**	Chicago, IL, USA

Assistant Professor, Department of Computer Science, College of Engineering

Fall 2018 - Fall 2020	**New York University**	New York, NY, USA

Postdoctoral researcher

Summer 2016	**Argonne National Laboratory**	Lemont, IL, USA

Research intern, Mentor: Venkatram Vishwanath

Summer 2015	**IBM T.J. Watson Research Center**	Yorktown Heights, NY, USA

Research intern, Mentor: Bruce D'Amora

Summer 2014	**AT&T Research**	Middletown, NJ, USA

Research intern, Mentors: Lauro Lins and James Klosowski

Summer 2013	**Sandia National Laboratories**	Albuquerque, NM, USA

Research intern, Mentor: Patricia Crossno

2009 - 2012	**TecGraf / PUC-Rio**	Rio de Janeiro, Brazil

Research assistant, Mentor: Waldemar Celes

Awards & Honours

2023	IEEE VIS 2023 Best Paper Honorable Mention

For "ProWis: A Visual Approach for Building, Managing, and Analyzing Weather Simulation Ensembles at Runtime".

2023	SIBGRAPI 2023 Best Paper Honorable Mention
	For "Visual Analytics for Profiling Land Use Changes".
2022	National Academy of Sciences Kavli Fellow
2018	SIGMOD Best Demonstration Award
	For "Interactive Visual Exploration of Spatio-Temporal Urban Data Sets Using Urbane".
2018	Pearl Brownstein Doctoral Research Award
	For doctoral research that shows the greatest promise, awarded by NYU.
2010-2012	CAPES and Petrobras Fellowships
	Awarded during M.S. studies.
2006-2009	FINEP and CNPq Fellowships
	Awarded during B.S. studies.

Selected Media Coverage

November 2022	A scrap metal shredder on the Southwest Side wants to renew its permit. But Pilsen residents are fighting back.
	Chicago Tribune ⬀
February 2022	Escuelas y comunidades latinas en Chicago son las más afectadas por la contaminación, según estudio.
	Univision Chicago ⬀
November 2017	Urban Pulse maps, analyzes use of urban spaces.
	GCN ⬀
September 2017	Urban Pulse Uses Social Media Data to Show Cities in a New Light.
	Architectural Digest ⬀
September 2017	New program wants to improve cities with the power of tweets and Flickr uploads.
	Curbed ⬀
December 2016	Mapping the Shadows of New York City: Every Building, Every Block.
	The New York Times ⬀
October 2016	Listen to the music of the traffic in the city.
	The Economist ⬀

Publications

Underlined name: advised UIC student
J: journal, C: conference / symposium, A: abstract, W: workshop
Note: VIS & EuroVis conference papers appear in a special issue of the IEEE TVCG and CGF journals.

Accepted:

[C18] 2024	A Survey on Visual Analytics for 3D Urban Data
	F. Miranda, T. Ortner, G. Moreira, M. Hosseini, F. Biljecki, C. T. Silva, M. Lage, N. Ferreira
	Computer Graphics Forum (Accepted, to appear)
	(EuroVis 2024)
[J14] 2024	Deep Umbra: City-Scale Automatic Shadow Detection using Building Height Information
	K. Omar, G. Moreira, D. Hodczak, M. Hosseini, M. Lage, **F. Miranda**
	IEEE Transactions on Big Data (Accepted, to appear)
[C17] 2024	The Urban Toolkit: A Grammar-based Framework for Urban Visual Analytics
	G. Moreira, M. Hosseini, M.N.A. Nipu, M. Lage, N. Ferreira, **F. Miranda**
	IEEE Transactions on Visualization and Computer Graphics, vol. 1, no. 1, Jan 2024
	(IEEE VIS 2023)

[C16] 2024   ProWis: A Visual Approach for Building, Managing, and Analyzing Weather Simulation Ensembles at Runtime
C.V.F. de Souza, S.M. Bonnet, D. de Oliveira, M. Cataldi, **F. Miranda**, M. Lage
IEEE Transactions on Visualization and Computer Graphics, vol. 1, no. 1, Jan 2024
Best Paper Honorable Mention (IEEE VIS 2023)

[A3] 2024   e-JUST: Environmental Justice using Urban Scalable Toolkit
A. Sharma, C. Veiga, P. Li, **F. Miranda**, G. Moreira, S. Wu, M. Budhathoki, A. Tiwari, J. Wei, M. Turk, E. Makra
104th Annual Meeting of the American Meteorological Society

[C15] 2023   Visual Analytics for Profiling Land Use Changes
C. Santos, M. Hosseini, J. Rulff, **F. Miranda**, L. Wilson, C. Silva, N. Ferreira, M. Large
36th Conference on Graphics Patterns and Images (SIBGRAPI 2023)
Best Paper Honorable Mention (SIBGRAPI 2023)

[C14] 2023   Visual Analytics Using Heterogeneous Urban Data
S. Bonadia, R. Gama, D. Oliveira, **F. Miranda**, M. Lage
36th Conference on Graphics Patterns and Images (SIBGRAPI 2023)

[J13] 2023   Environmental Justice through Community-Policy Participatory Partnerships
P.A. Boda, F. Fusi, **F. Miranda**, G.M.M. Palmer, J. Flax-Hatch, M. Siciliano, A. Sambanis, L. Johnson, S. Derrible, M. Cailas
Journal of Environmental Protection, vol. 14, no. 8, pp. 616-636, Aug 2023

[J12] 2023   A Comparison of Spatiotemporal Visualizations for 3D Urban Analytics
R. Mota, M. Horga, N. Ferreira, J. D. Silva, M. Lage, L. Ceferino, U. R. Alim, E. Sharlin, **F. Miranda**
IEEE Transactions on Visualization and Computer Graphics, vol. 29, no. 1, pp. 1277-1287, Jan 2023
(IEEE VIS 2022)

[C13] 2023   Does a quieter city mean less complaints? The sounds of New York City during COVID-19 lockdown
M. Cartwright, M. Fuentes, C. Mydlarz, **F. Miranda**, J. P. Bello
The International Conference on Acoustics, Speech, & Signal Processing (ICASSP)

[J11] 2023   Mapping the Walk: A Scalable Computer Vision Approach for Generating Sidewalk Network Datasets
M. Hosseini, A. Sevtsuk, **F. Miranda**, R. M. Cesar Jr, C. T. Silva
Computers, Environment and Urban Systems
Featured on MIT Press

[A2] 2022   Interactive Visual Analysis of Urban Data: Applications in the Weather and Climate Domains
F. Miranda
American Geophysical Union Fall Meeting 2022

[A1] 2022   Mapping Sidewalk Fall Risks Using Big Data And Machine Learning
F. Miranda, M. Hosseini
Innovation in Aging (6)

[W5] 2022   Crowdsourcing and Sidewalk Data: A Preliminary Study on the Trustworthiness of OpenStreetMap Data in the US
K. Omar, G. Moreira, D. Hodczak, M. Hosseini, **F. Miranda**
ASSETS 2022 UrbanAccess Workshop

[C12] 2022   The Future of Urban Accessibility for People with Disabilities: Data Collection, Analytics, Policy, and Tools
J. Froehlich, Y. Eisenberg, M. Hosseini, **F. Miranda** et al.
The 24th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '22)

[J10] 2022   A Comparative Study of Methods for Visualization of Probability Distributions of Geographical Data
S. Srabanti, C. V. de Souza, E. J. da Silva, M. Lage, N. Ferreira, **F. Miranda**
Multimodal Technologies and Interaction 6 (7), 53

[W4] 2022   Towards Global-Scale Crowd+AI Techniques to Map and Assess Sidewalks for People with Disabilities
M. Hosseini, M. Saugstad, **F. Miranda**, A. Sevtsuk, C. T. Silva, J. E. Froehlich
AVA: Accessibility, Vision, and Autonomy Meet (CVPR 2022 Workshop)

[J9] 2022   Near-fall detection in unexpected slips during over-ground locomotion
S. Wang, **F. Miranda**, Y. Wang, R. Rasheed, T. Bhatt
Sensors, vol. 22, no. 9, 3334

[C11] 2022   Urban Rhapsody: Large-scale Visual Exploration of Urban Soundscapes
J. Rulff, **F. Miranda**, M. Hosseini, M. Lage, M. Cartwright, G. Dove, J. P. Bello, C. Silva
Computer Graphics Forum, vol. 41, no. 3, pp. 209-2021, Jun 2022

[C10] 2022   A Tale of Two Centers: Visual Exploration of Health Disparities in Cancer Care
S. Srabanti, M. Tran, V. Achim, D. Fuller, G. Canahuate, **F. Miranda**, G.E. Marai
2022 IEEE Pacific Visualization Symposium (PacificVis)

[J8] 2022   CitySurfaces: City-scale Semantic Segmentation of Sidewalks Surfaces
M. Hosseini, **F. Miranda**, J. Lin, C. Silva
Sustainable Cities and Society

[J7] 2022   Visualizing Simulation Ensembles of Extreme Weather Events
C. V. de Souza, P. Luz, M. Cataldi, **F. Miranda**, M. Lage
Computers & Graphics, vol. 104, pp. 162-172, May 2022

[J6] 2022   UrbanRama: Navigating Cities in Virtual Reality
S. Chen, **F. Miranda**, N. Ferreira, M. Lage, H. Doraiswamy, C. Brenner, C. Defanti, M. Koutsoubis, L. Wilson, K. Perlin, C. Silva
IEEE Transactions on Visualization and Computer Graphics, vol. 28, no. 12, pp. 4685-4699, Dec 2022

[C9] 2021   Visualizing Environmental Justice Issues in Urban Areas with a Community Input Approach
J. Flax-Hatch, S. Srabanti, **F. Miranda**, A. Sambanis, M. Cailas
2nd Spatial Data Science Symposium
Featured on Univision Chicago

[C8] 2021   Sidewalk Measurements from Satellite Images: Preliminary Findings
M. Hosseini, I. B. Araujo, H. Yazdanpanah, E. Tokuda, **F. Miranda**, C. Silva, R. M. Cesar Jr
2nd Spatial Data Science Symposium

[W3] 2021   COVID-19 EnsembleVis: Visual Analysis of County-level Ensemble Forecast Models
S. Srabanti, G. E. Marai, **F. Miranda**
12th Workshop on Visual Analytics in Healthcare

[W2] 2021   Transportation Scenario Planning with Graph Neural Network
A. A. Peregrino, S. Pradhan, Z. Liu, N. Ferreira, **F. Miranda**
10th International Workshop on Urban Computing

[C7] 2020   Urban Mosaic: Visual Exploration of Streetscapes Using Large-scale Image Data
F. Miranda, M. Lage, H. Doraiswamy, M. Hosseini, G. Dove, C. T. Silva
2020 CHI Conference on Human Factors in Computing Systems

[C6] 2020   Learning Geo-Contextual Embeddings for Commuting Flow Prediction
Z. Liu, **F. Miranda**, W. Xiong, J. Yang, Q. Wang, C. T. Silva
Thirty-Fourth AAAI Conference on Artificial Intelligence

[J5] 2019   Shadow Accrual Maps: Efficient Accumulation of City-Scale Shadows over Time
F. Miranda, H. Doraiswamy, M. Lage, L. Wilson, M. Hsieh, C. T. Silva
IEEE Transactions on Visualization and Computer Graphics, vol. 25, no. 3, pp. 1559-1574, Mar 2019
Featured on The New York Times

[C5] 2018	**Time Lattice: A Data Structure for the Interactive Visual Analysis of Large Time Series**
	F. Miranda, M. Lage, H. Doraiswamy, C. Mydlarz, J. Salamon, Y. Lockerman, J. Freire, C. T. Silva
	Computer Graphics Forum, vol. 37, no. 3, pp. 23-35, Jun 2018

[C4] 2018	**Interactive Visual Exploration of Spatio-Temporal Urban Data Sets using Urbane**
	H. Doraiswamy, E. Tzirita Zacharatou, **F. Miranda**, M. Lage, A. Ailamaki, C. T. Silva, J. Freire
	2018 ACM SIGMOD Intl. Conf. on Management of Data - Demo
	Best Demonstration Award

[J4] 2018	**Spatio-Temporal Urban Data Analysis: A Visual Analytics Perspective**
	H. Doraiswamy, J. Freire, M. Lage, **F. Miranda**, C. T. Silva
	IEEE Computer Graphics and Application, vol. 38, no. 5, pp. 26-35, Sept/Oct 2018

[J3] 2018	**TopKube: A Rank-Aware Data Cube for Real-Time Exploration of Spatiotemporal Datasets**
	F. Miranda, L. Lins, J. Klosowski, C. T. Silva
	IEEE Transactions on Visualization and Computer Graphics, vol. 24, no. 3, pp. 1394-1407, Mar 2018

[J2] 2017	**Urban Pulse: Capturing the Rhythm of Cities**
	F. Miranda, H. Doraiswamy, M. Lage, K. Zao, B. Goncalves, L. Wilson, M. Hsieh, C. T. Silva
	IEEE Transactions on Visualization and Computer Graphics, vol. 23, no. 1, pp. 791-800, Jan 2017
	Featured on The Economist, invited to SIGGRAPH 2017 TVCG special session

[C3] 2017	**Data Visualization Tool for Monitoring Transit Operation and Performance**
	A. Kurkcu, **F. Miranda**, K. Ozbay, C. T. Silva
	5th IEEE Intl. Conf. on Models and Technologies for Intelligent Transportation Systems (2017)

[W1] 2016	**TopKube: A Rank-Aware Data Cube for Real-Time Exploration of Spatiotemporal Datasets**
	F. Miranda, L. Lins, J. Klosowski, C. T. Silva
	Data Systems for Interactive Analysis (DSIA) 2016

[J1] 2012	**Volume Rendering of Unstructured Hexahedral Meshes**
	F. Miranda, and W. Celes
	The Visual Computer Journal, vol. 28, no. 10, pp. 1005-1014, Oct 2012

[C2] 2011	**Accurate Volume Rendering of Unstructured Hexahedral Meshes**
	F. Miranda, and W. Celes
	24th Sibgrapi Conference on Graphics, Patterns and Images (2011)

[C1] 2011	**Illustrative Volume Visualization for Unstructured Meshes Based on Photic Extremum Lines**
	A. Rocha, **F. Miranda**, and W. Celes
	24th Sibgrapi Conference on Graphics, Patterns and Images (2011)

External Grants (Share: $1,453,000)

Awarded:

Fall 2024 - Fall 2029	**Collaborative Research: Frameworks: Cyberinfrastructure to Catalyze and Sustain the Urban Computing Community**	NSF (Cyberinfrastructure for Sustained Scientific Innovation)
	Role: UIC PI	
	Total: $5,000,000. UIC's share: $1,750,000. Miranda's share: $1,050,000 (60% of UIC's share)	
Fall 2023 - Fall 2026	**Research Infrastructure: MRI: Track 2 Acquisition of Data Observation and Computation Collaboratory (DOCC)**	NSF (Major Research Instrumentation Program)
	Role: Co-PI	
	Total and UIC's share: $1,548,545. Miranda's share: $154,854 (10% of UIC's share)	

Fall 2023 - Fall 2028	**Clean Energy and Equitable Transportation Solutions (CLEETS)**	NSF (US-UK Global Centers)

Role: SP
Total: $5,000,000. UIC's share: $1,181,443. Miranda's share: $177,216 (15% of UIC's share)

Fall 2023 - Fall 2025	**Impact Measurement for At-Grade Crossings Analysis and Prioritization**	IDOT

Role: PI
Total: $205,000. UIC's share: $41,000. Miranda's share: $41,000 (100% of UIC's share).

Fall 2022 - Fall 2023	**Data readiness for 'Perturbation training for enhancing stability and limb support control for fall-risk reduction among stroke survivors'**	NIH

Role: Co-I
Total and UIC's share: $308,918. Miranda's share: $30,000 (10% of UIC's share).

Internal Grants

Fall 2022 - Fall 2023	**PRESUR: Planning a Resilient and Equitable State Using Real-time Data**	DPI

Role: Co-PI
UIC's share: $125,000. Miranda's share: $32,000 (25%).

Teaching

Spring 2024	**CS424: Visualization & Visual Analytics (Students: 90)**	UIC

Graduate session (n=6): Overall teaching effectiveness: 4.83; Overall quality of the course: 4.83
Undergraduate session (n=26): Overall teaching effectiveness: 3.69; Overall quality of the course: 3.77
Course page ⬀

Fall 2023	**CS424: Visualization & Visual Analytics (Students: 90)**	UIC

Graduate session (n=39): Overall teaching effectiveness: 4.7; Overall quality of the course: 4.73
Undergraduate session (n=40): Overall teaching effectiveness: 4.28; Overall quality of the course: 4.18
Course page ⬀

Spring 2023	**CS524: Big Data Visualization & Visual Analytics (Students: 38)**	UIC

Graduate session (n=35): Overall teaching effectiveness: 4.63; Overall quality of the course: 4.54
Course page ⬀

Fall 2022	**CS424: Visualization & Visual Analytics (Students: 50)**	UIC

Graduate session (n=19): Overall teaching effectiveness: 4.63; Overall quality of the course: 4.58
Undergraduate session (n=22): Overall teaching effectiveness: 4.36; Overall quality of the course: 4.45
Course page ⬀

Spring 2022	**CS425: Computer Graphics I (Students: 49)**	UIC

Graduate session (n=6). Overall teaching effectiveness: 4.67; Overall quality of the course: 4.67
Undergraduate session (n=31). Overall teaching effectiveness: 3.97; Overall quality of the course: 3.9
Course page ⬀

Fall 2021	**CS594: Big Data Visualization & Analytics (Students: 29)**	UIC

Graduate session (n=25). Overall teaching effectiveness: 4.4; Overall quality of the course: 4.36
Course page ⬀

Spring 2021	**CS425: Computer Graphics I (Students: 41)**	UIC

Graduate and undergraduate sessions (n=33): Overall teaching effectiveness: 4.03; Overall quality of the course: 4.03
Course page ⬀

Advised Students

2021 -   **Ph.D. students (advisor)**   UIC

Leonardo Ferreira, Gustavo Moreira, Kazi Omar, Stefan Cobeli, Sanjana Srabanti (co-adivising with G. Elisabeta Marai)

2021 -   **M.Sc. students (advisor)**   UIC

Davide Bartoletti, Sajal Chandra

2021 -   **Undergraduate students (advisor)**   UIC

Daniel Hodczak, Jayanth Podapati, Reem Sheikh, Rahiya Rasheed

2018 - 2020   **Ph.D. students (mentor)**   NYU

Zhicheng Liu (CS PhD student at Southeast University, China), Maryam Hosseini (Urban Systems PhD student at Rutgers), Shaoyu Chen (CS PhD student at NYU), João Rulff (CS PhD student at NYU).

Selected Invited Talks and Presentations

March 2024   **Interactive Urban Visual Analysis at Scale: From Data to Actionable Insights**   Online

US Census Bureau

March 2023   **Interactive Urban Visual Analysis at Scale: From Data to Actionable Insights**   Niteroi, RJ, Brazil

Visiting lecturer

Fluminense Federal University

December 2022   **Interactive Visual Analysis of Urban Data: Applications in the Weather and Climate Domains**   Chicago, IL, USA

AGU Fall Meeting 2022

American Geophysical Union

November 2022   **Mapping Sidewalk Fall Risks Using Big Data and Machine Learning**   Indianapolis, IN, USA

GSA 2022 Annual Scientific Meeting

Gerontological Society of America

October 2022   **Interactive Visual Analysis at Scale: From Data to Actionable Insights**   Natal, RN, Brazil

Keynote speaker

SIBGRAPI 2022

October 2022   **Visualizing Environmental Justice Issues in Urban Areas with a Community-based Approach**   Natal, RN, Brazil

Keynote speaker

Visualization for Social Good (VIS4SG) workshop

July 2022   **Interactive Visual Analysis of Urban Data: Immersive Analytics Opportunities**   Davis, CA, USA

Kavli Frontiers of Science Symposium

National Academy of Science

April 2022   **Interactive Visual Analysis of Urban Data: Immersive Analytics Opportunities**   Online

The Next Evolution: XR & AEC

VRAR CHICAGO

January 2022   **Interactive Visual Analysis of Urban Data: Beyond Flatland**   Online

Urban Initiative Program

New York University

April 2021	**Interactive Visual Analysis of Urban Data: Beyond Flatland** Department of Energy Computer Graphics Forum 2021 Department of Energy	Online
April 2021	**Interactive Visual Analysis of Urban Data: A Computational Perspective on Cities** Federal University of Rio Grande do Sul	Porto Alegre, RS, Brazil
March 2021	**Interactive Visual Analysis of Urban Data: A Computational Perspective on Cities** Fluminense Federal University	Niteroi, RJ, Brazil
December 2018	**Exploration of Street-Level Images at Scale** Pedestrian Movement Technology Showcase at Metro North	New York City, NY, USA
November 2018	**Shadow Accrual Maps: Efficient Accumulation of City-Scale Shadows over Time** IEEE Visualization Conference (VIS)	Berlin, Germany
June 2018	**Time Lattice: A Data Structure for the Interactive Visual Analysis of Large Time Series** EG/VGTC Conference on Visualization (EuroVis)	Brno, Czech Republic
October 2017	**TopKube: A Rank-Aware Data Cube for Real-Time Exploration of Spatiotemporal Datasets** IEEE Visualization Conference (VIS)	Phoenix, AZ, USA
September 2016	**Visualizing and Exploring Urban Data** Data Visualization Summit	Boston, MA, USA
October 2016	**TopKube: A Rank-Aware Data Cube for Real-Time Exploration of Spatiotemporal Datasets** Data Systems for Interactive Analysis Workshop (DSIA)	Chicago, IL, USA

Academic Services

Program chair
● SIBGRAPI (2022)

Conference and workshop organization
● 1st Workshop on The Future of Urban Accessibility at ASSETS'22
● VIS 2021, Local co-chair (2021)
● The Future of Global-Scale Spatial Data Collection and Analyses on Urban (in)Accessibility for People with Disabilities Workshop, Co-chair (2021)

Program committees
● IEEE VIS Full papers (2022, 2023, 2024) ● IEEE VIS Short papers (2019, 2020, 2021, 2023)
● EuroVis (2022, 2023, 2024) ● Visualization and Data Analysis Conference (2022) ● SIBGRAPI (2019, 2020, 2021, 2023)

Editor
● Computers & Graphics (SIBGRAPI 2022 Special Issue)

Grant reviewer
● NSF reviewer (2022, 2022, 2024)
● Center for Transportation, Equity, Decisions and Dollars reviewer (2022) ● Discovery Partners Institute reviewer (2021)

Journal reviewer

● IEEE Trans. on Visualization and Computer Graphics (2020, 2021, 2022, 2023) ● IEEE Trans. on Big Data (2020)

● IEEE Trans. on Intelligent Transportation Systems (2021) ● The Visual Computer Journal (2019, 2020, 2021, 2022) ● Transportation Research Record Journal (2020) ● International Journal of Geo-Information (2021)

Conference reviewer

● IEEE VIS (2020, 2021, 2022) ● EuroVis (2019, 2020, 2021, 2022) ● Sibgrapi (2019, 2020, 2021, 2022) ● VLDB (2021) ● WWW (2021) ● International Conference on Pattern Recognition (2020, 2021, 2022)

PhD & MSc committees

PhD committees

●Mobashir Sadat (ICL, 2024) ●Emily Muller (ICL, 2023) ● Andrew Wentzel (2023) ● Carolina Veiga (UFF, 2022) ● Shaoyu Chen (NYU, 2022)

Master's project committees

●Parikshit Solunke (2021) ● Pavana Doddi (2021)

WCP committees

Stefan Cobeli (2023) ● Kazi Omar (2023) ● Carla Floricel (2021) ● Md Nafiul Alam Nipu (2021) ● Andrew Wentzel (2021) ● Muhammad Abdul Wahhab (2021)

University services

Department committees

● Graduate Committee (2023-2024)
● Faculty Search Committee (2021-2022, 2022-2023)
● Graduate Admission Committee (2020-2021)

Reviewer

● Provost's Graduate Research Award reviewer (2020)

Professional Memberships

Association for Computing Machinery (ACM)
Brazilian Computer Society (Sociedade Brasileira de Computação, SBC)