Ronaldo Menezes

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EDUCATION

◇ **University of York**, England, UK
DPhil in Computer Science, 2000

◇ **State University of Campinas**, Brazil
MSc in Computer Science (Thesis Option), 1995

WORK EXPERIENCE

◇ **Professor of Data and Network Science**, University of Exeter, UK
August 2018 – Present

◇ **Director of Global Engagement**, University of Exeter, UK
September 2024 – Present

◇ **Head of the Computer Science Department**, University of Exeter, UK
August 2018 – August 2022

◇ **Professor in Computer Science**, Florida Institute of Technology, USA
March 2016 – July 2018

◇ **Director of the School of Computing**, Florida Institute of Technology, USA
December 2016 – October 2017

◇ **Department Head of Computer Science**, Florida Institute of Technology, USA
December 2015 – December 2016

RESEARCH INTERESTS

Urban Systems, Human Mobility, Complex Networks (aka Network Science), Social Network Analysis, Swarm Intelligence, Self-Organization, Biologically-Inspired Computing, Complex Systems, Optimisation

SELECTED RESEARCH GRANTS

◇ *Rapid Development of Novel Optimisation Tools for Transport and Energy Networks*, Innovate UK

◇ *Understanding Human Movement in the Healthcare Sector using AI*, Innovate UK

◇ *Identification of Human Mobility Modes using Socio-Spatio-Temporal Predictive Models*, US Army Research Office

SELECTED PUBLICATIONS

◇ *The role of transport systems in housing insecurity: A mobility-based analysis*
N Iyer, R Menezes, H Barbosa EPJ Data Science 13 (1), 49. 2024

◇ *Dynamic predictability and activity-location contexts in human mobility*
B Poudyal, D Pacheco, M Oliveira, Z Chen, HS Barbosa, R Menezes, G Ghoshal Royal Society Open Science 11 (9), 240115. 2024

◇ *Estimating annual ambient air pollution using structural properties of road networks*
L Berrisford, E Ribeiro, R Menezes Environment and Planning B: Urban Analytics and City Science, 23998083241230707. 2024

- ◇ *COVID-19 is linked to changes in the timespace dimension of human mobility*
  C Santana, F Botta, H Barbosa, F Privitera, R Menezes, R Di Clemente. Nature Human Behaviour, 1-11. 2023

- ◇ *Contrasting social and non-social sources of predictability in human mobility*
  Z Chen, S Kelty, A Evsukoff, BF Welles, JP Bagrow, R Menezes, G Ghoshal. Nature Communications. Volume 13, Article number: 1922. 2022.

- ◇ *Differences in the spatial landscape of urban mobility: gender and socioeconomic perspectives*
  M Macedo, L Lotero, A Cardillo, R Menezes, H Barbosa. March 2022. PLoS One

- ◇ *Reaching to the Top: The Gender Effect in Highly-ranked Academics in Computer Science*
  A Jaramillo, M Macedo, R Menezes. Advances in Complex Systems. Vol. 24, No. 03n04, 2150008. 2021.

- ◇ *Uncovering the differences and similarities between physical and virtual mobility*
  S Hazarie, H Barbosa, A Frank, R Menezes, G Ghoshal. Journal of the Royal Society Interface 17 (168), 20200250. 2020

SCHOLARLY ACTIVITIES

SELECTED INVITED AND KEYNOTE TALKS

- ◇ **Gender Inequality in Scientific Production**. LANET. Cusco, Peru. August 2023

- ◇ **Using Data Analytics to Understand Human Mobility Patterns in Cities**. Analytics Forum, Colombia, 2020.

- ◇ **The Next Big Thing in Big Data**. CSoNet. Ho Chi Min. Vietnam, 2019.

- ◇ **On the Structure, Concentration and Dynamics of Urban Crime**. IEEE LA-CCI. Guayaquil. Ecuador. 2019

SELECTED SERVICE ACTIVITIES

STEERING COMMITTEE AND BOARDS

- ◇ **Steering Committee Member, Complex Systems Society**: 2024-Present

- ◇ **Board Member, Latin American Conference on Complex Networks**: 2017-Present

- ◇ **Board Member, Newtwork Science Society**: 2012-2025

- ◇ **Editor-in-Chief of Applied Network Science Journal, Springer Verlag**: 2015-Present

- ◇ **Editorial Board, PLoS One**: 2022-Present

- ◇ **Editorial Board, EJP Data Science**: 2023-Present