ANDRÉ LUIZ CUNHA

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PERSONAL DETAILS

Dr. André Luiz Barbosa Nunes da Cunha
Adjunct Professor, Departament of Transport Engineering
University of São Paulo (USP), São Carlos School of Engineering (EESC)
São Carlos, São Paulo, Brazil

alcunha@usp.br | Google Scholar [1] | ORCID [2] | Lattes [3] | LinkTree [4]

RESEARCH FOCUS

- AI-driven traffic modeling for smart cities.
- Network vulnerability to extreme weather events.
- Data science applications in transport policy.

EDUCATION

1. **Ph.D. in Transportation Engineering** — Nov. 2013
   University of São Paulo (USP), São Carlos School of Engineering (EESC), Brazil
   Thesis: "Automatic system for vehicular traffic parameters using OpenCV"
   Advisor: Prof. José Reynaldo Anselmo Setti
   DOI: 10.11606/T.18.2013.tde-19112013-165611
   Funded by National Council for Scientific and Technological Development (CNPq), Brazil.

2. **M.S. in Transportation Engineering** — Oct. 2007
   University of São Paulo (USP), São Carlos School of Engineering (EESC), Brazil
   Thesis: "Evaluation of performance measurement impact on truck passenger car equivalents"
   Advisor: Prof. José Reynaldo Anselmo Setti
   DOI: 10.11606/D.18.2007.tde-27112007-094400
   Funded by National Council for Scientific and Technological Development (CNPq), Brazil.

3. **B.S. in Civil Engineering** — Feb. 2004
   Federal University of Mato Grosso do Sul (UFMS), Campo Grande, Brazil
   GPA: 3.79/4.00 → (9.5/10.0)

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[1] https://scholar.google.com.br/citations?user=HI0CQJMAAAAJ&hl=en
[2] https://orcid.org/0000-0002-0520-0621
[3] http://lattes.cnpq.br/7996696632908127
[4] https://linktr.ee/prof_alcunha

EXPERIENCE

Academic Appointments

1. **University of São Paulo (USP-EESC)** — Jul. 2014 – present
Adjunct Professor (MS-3.2) — *São Carlos, Brazil*
Full Dedication to Teaching and Research Regime (RDIDP)

2. **University of Zagreb (UNIZG)** — Apr. 2022
Visiting Lecturer — *Zagreb, Croatia*
ERASMUS+ Program: Virtual Teaching Mobility Agreement (Workload: 8h)

3. **University of Melbourne (UniMelb)** — Jan. 2020 – Dec 2020
Visiting Professor — *Melbourne, Australia*
CAPES-Print Program – Junior Visiting Professor No. 88887.371506/2019-00

4. **University of Zagreb (UNIZG)** — Jun. 2018
Visiting Lecturer — *Zagreb, Croatia*
ERASMUS+ Program: Higher Education Mobility Agreement (UNIZG/USP-EESC) (Workload: 13h)

5. **University of São Paulo (USP)** — Sep. 2017
Visiting Professor — *São Paulo, Brazil*
TUM-USP `Workshop on Sustainable Mobility` funded by BAYLAT/FAPESP Call

6. **University of Minho (UMINHO)** — Jul. 2017
Visiting Professor — *Guimarães, Portugal*
Mission funded by CAPES-FCT n. 39/2014

7. **Technical University of Munich (TUM)** — Nov. 2016 – Dec. 2016
Visiting Professor — *Munich, Germany*
TUM-USP `Workshop on Sustainable Mobility` funded by BAYLAT/FAPESP Call

8. **São Paulo State University (UNESP)** — Mar. 2010 – Dec. 2010
Assistant Professor — *Bauru, Brazil*
Faculty of Engineering of Bauru (FEB), Civil Engineering undergraduate course.

9. **University of São Paulo (USP)** — Feb. 2009 – Jun. 2009
Graduate assistant — *São Carlos, Brazil*

10. **University of São Paulo (USP)** — Feb. 2006 – Jun. 2006
Graduate assistant — *São Carlos, Brazil*

Professional Experience

7. Civil Engineering Freelance Service at the Institute of Mathematical and Computer Sciences (ICMC), USP. São Carlos, SP, Brazil. – March 1, 2012 to April 1, 2012:
Activities performed: infrastructure digitization in AutoCAD, building maintenance, and management of ongoing construction projects at ICMC.

8. External Consultant in Transportation Engineering at Técnicos em Transportes Ltda (TECTRAN), Belo Horizonte, MG, Brazil. – April 2, 2012 to December 1, 2012:
Activities performed: creation of a database for the EPELT (Transport Logistics Planning Office) of the Minas Gerais State Secretariat.

9. Laboratory Specialist (Superior 1A) at the Department of Transportation Engineering (STT), São Carlos School of Engineering (USP-EESC), São Carlos, SP, Brazil. Public tender under Announcement EESC/USP 11/2012 (Workload: 40h/week). – February 14, 2013 to June 30, 2014:
Activities performed: