

Reza Amindarbari

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EDUCATION

North Carolina State University Raleigh, NC PhD in Design (Design and Urban Context) College of Design Co-major: Forestry and Environmental Resources College of Natural Resources Minor: Statistics Department of Statistics	Expected 2018
University of Michigan Taubman College of Architecture and Planning Ann Arbor, MI Master of Urban Design with Distinction	Apr. 2010
University of Tehran Faculty of Fine Arts Tehran, Iran Master of Architectural Technology	Mar. 2008
University of Tehran Faculty of Fine Arts Tehran, Iran Bachelor of Architecture	Sep. 2005

RESEARCH, TEACHING AND DESIGN EXPERIENCE

North Carolina State University College of Design Raleigh, NC Instructor > Courses: Experiencing Cities (ARC590), Experiencing Architecture (ARC140)	Fall 2014-present
North Carolina State University Center for Geospatial Analytics Raleigh, NC Graduate Teaching Assistant > Geospatial Programming Fundamentals (GIS540)	Fall 2014-present
North Carolina State University College of Design Raleigh, NC Graduate Teaching Assistant > Courses: Anatomy of the City (ARC590), Experiencing Cities (ARC590), Experiencing Architecture (ARC140), and City Design Studio (ARC503)	Fall 2013-present
North Carolina State University College of Design Raleigh, NC Graduate Research Assistant > RoofConsultant Project: Developed the RoofConsultant web-application: https://betlab.pythonanywhere.com/roofConsultant/default/index	Summer 2014
Singapore University of Technology and Design City Form Lab Singapore Researcher and GIS Analyst > Collaborated on:	Jun.2012-Jul.2013
<ul style="list-style-type: none">• the World Bank's initiative for developing quantitative analytics for measuring urban growth and change in the East-Asia and Pacific regions• the World Bank's initiative in Indonesia for establishing City Planning Labs in large and medium size cities with a focus of data-driven planning• developing Redundancy Analysis component of Urban Network Analysis toolbox, a GIS-based tool for accessibility measurement over transportation networks• the <i>Walkability in Singapore</i> research project, studying the relation between the spatial properties of the built environment and walkability around all 4600 bus stops in Singapore	

MIT Department of Urban Studies and Planning Cambridge, MA Research Fellow > Making the Clean Energy City in China Project : Collaborated on the operational energy component of the Energy Proforma, modeling urban geometry as the moderator of the solar and wind effects on residential energy consumption. Contributed to year 2 report .	Nov.2010-Sep.2011
Wentworth Institute of Technology Department of Architecture Boston, MA Adjunct Professor > Developed the syllabus and taught "Reading and Representing Urban Form"	Spring 2011
MIT Department of Urban Studies and Planning Co-Lab, Cambridge, MA Research Assistant > Haiti post-earthquake revitalization project	Fall 2010
University of Michigan Taubman College of Architecture and Planning Ann Arbor, MI Research Assistant	Spring 2010
Setavand Saz Consultants Tehran Senior Project Architect	Dec.2003- Jun.2009
Farmehr Architects Tehran Project Assistant > design development and construction administration	Apr.2001-Aug.2003

PERSONAL PROJECTS

Amindarbari, R. (2015). *Metropolitan Form Analysis Toolbox for ArcGIS Desktop*. Released on <http://cityform.gsd.harvard.edu/projects/metropolitan-form-analysis-toolbox-for-arcgis>

PUBLICATIONS

Sevtsuk, A., Amindarbari, R. (2016) Measuring Growth and Change in Metropolitan Form. *The Canadian geographer*. Under Review.

Sevtsuk, A., Mekonnen, M., Kalvo, R., Amindarbari, R., (2014). "Redundant Route for Urban Network Analysis". *ESRI GeoDesign Summit*. Redlands.

Sevtsuk, A., Ekmekci, O., Nixon, F., Amindarbari, R. (2013). Capturing Urban Intensity. *Proceeding of the 18th international Conference on Computer-Aided Architectural Design Research in Asia (CAADRRIA)*, pp. 551-560.

Amindarbari, R. (2012) Morphological indicators of solar exposure: The relation of shading condition to urban form. *The XVI SIGraDi Conference*, Fortaleza, Brazil, pp. 414-418.

Yuwono, T., Sevtsuk, A. and Amindarbari, R. (2013). City Planning Labs (CPL): a concept for strengthening city planning capacity in Indonesia. [The World Bank Reports](#).

Andres, S. and Amindarbari, R. (2013). *Demonstration Report: growth and change analytics for City Planning Laboratories in Indonesian Cities*. For World Bank, Indonesia Office. At City Form Lab, Singapore

Andres, S. and Amindarbari, R. (2012). *Measuring growth and change in metropolitan form*. For World Bank, DC Office. At City Form Lab, Singapore

CONFERENCE PRESENTATIONS

Amindarbari, R. Baran, P. (2016). A Nondeterministic Alternative to Zoning. *Urban Affairs Association Conference*, San Antonio, United States

Amindarbari, R. Baran, P. (2014). Rethinking the Disbursement of Land Tax Revenue. *Urban Affairs Association Conference*, San Antonio, United States.

Amindarbari, R. Sevtsuk, A. (2013). Measuring Growth and Change in Metropolitan Form. *Urban Affairs Association Conference*, San Francisco, United States.

SOFTWARE / PROGRAMMING SKILLS

PROGRAMMING LANGUAGES

Python, C++, PHP, HTML, Visual Basic

Statistics: SAS, R

GIS: Python (ArcPy library)

SOFTWARE

GIS: ArcGIS Desktop, QGIS, GRASS GIS

Graphics: Adobe InDesign, Illustrator, Photoshop

CAD Modeling: AutoCAD, Rhino

Other: Microsoft Office Access, Excel