

DIAN NOSTIKASARI, Ph.D.
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EDUCATION

- Ph.D. in Urban Planning and Public Policy** **May 2015**
University of Texas at Arlington
Title: “Assessing the ‘Black-Box’ of Transportation Modeling: Making Everyday Travel Experiences Matter”
Committee: Enid Arvidson (Chair), Colleen Casey, Maria Martinez-Cosio, Siamak Ardekani (Civil Engineering)
- Master in City and Regional Planning** **August 2010**
University of Texas at Arlington
Title: “*Impacts of a Metro Rail System on Land Use and Local Policies: A Case Study of Austin Metropolitan Region*”
Committee: Ardeshir Anjomani (chair), Enid Arvidson, Jianling Li
- Bachelor of Architecture**, University of Indonesia **January 2002**
Title: Street as Public Showcase in Malioboro Street, Yogyakarta, Indonesia

ACADEMIC APPOINTMENT

- Assistant Professor** **Present**
Drake University, Environmental Science and Sustainability
- Senior Research Fellow** **September 2018-July 2019**
Rice University, Kinder Institute for Urban Research
- Research Fellow** **September 2016 – August 2018**
Rice University, Kinder Institute for Urban Research
- Postdoctoral Research Associate** **September 2015 – July 2016**
UT Arlington, College of Architecture, Planning and Public Affairs (CAPPA)
- Adjunct Faculty**, UT Arlington **Spring 2015, Spring 2016**

PUBLICATIONS

Peer-reviewed

- Mattingly, S., Rahman, Z.; Kawadgave, R., **Nostikasari, D.**, Roeglin, N., Casey, C., Johnson, T. (2019). Using Crowd Sourcing to Locate and Characterize Conflicts for Vulnerable Modes. *Accident Analysis & Prevention*.
- Angelos P. Kassianos, Emma Ward, Antonio Rojas-Garcia, Allison Kurti, Fiona C. Mitchell, **Dian Nostikasari**, Jamie Payton, Julian Pascal-Saadi, Claire Adams Spears & Caitlin Notley (2019). A systematic review and meta-analysis of interventions incorporating behaviour change techniques to promote breastfeeding among postpartum women. *Health Psychology Review*.

Nostikasari, D. (2015). Representations of everyday travel experiences: Case study of the Dallas-Fort Worth Metropolitan Area. *Transport Policy*, 44, 96–107.

Technical Report

Nostikasari, D., Patterson, G., Haile, G., Shelton, K. (2019). Safer Streets, Safer Communities. *Kinder Institute for Urban Research, Rice University*.

Nostikasari, D., Patterson, G., Shelton, K. (2018). Planning from Inside Out: Using Community Responses to Address Transportation Safety Concerns. *Kinder Institute for Urban Research, Rice University*.

Nostikasari, D. Shelton, K. (2018). From Close Calls to Crashes: Infrastructure Priorities to Improve Safety for People on Bikes. *Kinder Institute for Urban Research, Rice University*.

Nostikasari, D., Shelton, K., Morin, T., Walker, K. (2017). Growing but Unequal: Mapping Low-Income Housing Tax Credit and Implications of Affordable Housing. *Kinder Institute for Urban Research, Rice University*.

Nostikasari, D., and Shelton, K. (2017). Learning from Close Calls: A Glimpse Into Near-Miss Experiences. *Kinder Institute for Urban Research, Rice University*

Mattingly, S., Casey, C., and Johnson, T. with Rahman, Z., Kawadgave, R., **Nostikasari, D.**, and Roeglin, N. (2016). App-based Crowd Sourcing of Bicycle and Pedestrian Conflict Data. *Transportation Research Center for Livable Communities, Western Michigan University*.

Mattingly, S., Casey, C., with Rahman, Z., **Nostikasari, D.**, Madanu, S., Washington, L. R., Nicole, R. M., and Donavalli, B. (2016). Public Health Performance Measures and their Role in the Regional Metropolitan Transportation Planning Process. *North Central Texas Council of Government. University of Texas at Arlington*

Casey, C. and Mattingly, S. with Madanu, S., Rahman, Z., and **Nostikasari, D.** (2016). Developing Performance Measures to Capture the Effects of Transportation Facilities on Multiple Public Health Outcomes. *Transportation Research Center for Livable Communities, Western Michigan University*.

Kockelman, K., Anjomani, A., Paul, B., **Nostikasari, D.**, Tayyebi, A. and Kharel, G. (2010). Design and application of accessible land-use modeling tools for Texas Regions. *Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin*.

Anjomani, A., Tayebi, A., **Nostikasari, D.**, and Kharel G. (2010). Implementation of Accessible Land Use Modeling Tools for Texas Applications. Report developed for the Texas Department of Transportation, Research and technology Implementation Office.

Anjomani, A., Tayebi, A., **Nostikasari, D.**, and Kharel G. (2010). Suitability analysis guidebook: Manual for application of suitability analysis for a selected region in Texas, Technical Report 5-5667-01-P3, in cooperation with the TxDOT and the FHA.

Peer-reviewed in Preparation

Nostikasari, D. and Casey, C. Institutions and Collaborative Planning: Barriers in the Coproduction of Knowledge and Implications for Transportation Planning. *Urban Studies*.

Nostikasari, D. and Nicole Foster. Inhabiting Conceptual Space: The Right to the City and Struggles over Transportation Geographies. *Progress in Human Geography*.

Nostikasari, D., Patterson, G., and Shelton, K. Uncovering Hidden Risks: Transportation Safety Concerns in an Immigrant Gateway Neighborhood. *Cities*

RESEARCH EXPERIENCE

- Kinder Institute for Urban Research** **September 2016- Current**
- Near Transit Areas and Gentrification** **Ongoing**
Role: Lead researcher. Capture neighborhood changes in near transit areas using spatial network analysis and concentration index to identify potentially gentrifying areas.
- Walkability and Bikeability: Disparities Across Neighborhoods** **Ongoing**
Role: Lead researcher. Implementation of street inventory mapping tool to capture physical infrastructures and facilities for safety and encouraging physical activity.
- Staying Healthy After Childbirth (HATCH):** **Ongoing**
A cross-national study to support smoking abstinence and inter-related cancer-prevention behaviours among postpartum women
Role: Co-PI. Lead in developing online surveys for health professionals. Co-manage reiteration phase of developing an intervention prototype and investigating the role of the built-environment and social support for physical activity amongst postpartum women in the US and UK.
- Food Deserts: Understanding Citizen's needs and Organizations** **May-August 2017**
with Douglas Schuler and Balaji Koka
Role: Consultant. Contribute in developing research design for community focus group, mapping locations of food sources and organizational interventions in addressing food deserts issue in three neighborhoods in Houston, TX
- Pedestrian and Bicycle Travel Diary and Near-miss Study** **February 2017-May 2017**
Role: Principal investigator. Develop and coordinate one-week travel diary to identify near-miss hotspots with a focus on pedestrians' and bicycle users' safety. Led workshop and outreach.
- City of Houston Mayor's Office Equity Initiatives Task Force** **July 2017**
with Texas Organizing Project
Role: Consultant. Spatial analysis of vulnerable demographics to identify local government initiatives on employment opportunities, infrastructure, education, and housing.
- Implications of Spatial Criteria** **Sept 2016 – March 2017**
on Affordable Housing and Access to Opportunities
Role: Principal investigator. Content analysis of spatial criteria in Texas Qualified Allocation Plan (QAP) on Low-Income Affordable Housing Tax Credit (LIHTC) Properties Distribution.
- College of Architecture, Planning and Public Administration** **July 2015-August 2016**

in collaboration with the Department of Civil Engineering, UT Arlington and the Transportation Center for Livable Communities, Western Michigan University.

Role: Postdoctoral Research Associate, with Colleen Casey. Co-develop online surveys for planners, engineers, and public health professionals to develop measures for safe pedestrian and bicycle environments; design and facilitate focus groups; develop questionnaires, analyze data, community outreach, and publications.

Dallas Area Habitat for Humanity **September 2015 –January 2016**

Role: Principal investigator. Measure neighborhood change (2003-2015) using spatial analysis of tax appraisal parcel data of vacancy rates, property valuation, land values, and demographic characteristics.

Walkability Study of Oak Cliff Gardens in partnership **2013-2014**

Role: Principal investigator. Design and coordinate research; collect data with GPS-phone app, Google Earth, and GIS database; facilitate participatory mapping process; formulate recommendations.

GIS-based Land Use Modeling-Suitability Analysis, with Ardeshir Anjomani **2010-2011**

Role: Collect data from the U.S. Census Bureau; conduct literature review, demographic analysis and weighting of variables in GIS; developed maps and 3D graphs in GIS; draft initial report and guidebook.

Institute of Urban Studies, UT Arlington **2009-2010**

Projects: Land Use Plan, Annetta South, Comprehensive Land Use Plan, Vidor; Downtown Redevelopment, Forney; Parks & Recreation Master plan, Forest Hill, TX.

Role: Conduct demographic analysis, participatory mapping, economic development, urban design guidelines, facilitate design charrette, visual communications, and mapping in GIS, AutoCAD, and Photoshop.

Graduate Research Assistant - Multicultural Affairs **2008-2009**

Role: Develop visual communication strategies and graphic designs for programs and events; assist in organizing events.

Department of Architecture, University of Indonesia **2001-2002**

Role: Review books for the Quality of Undergraduate Education World Bank Project; assist in organizing the International Vernacular Architecture Conference 2002

GRANTS AND FUNDED RESEARCH EXPERIENCE

Staying Healthy After Childbirth (HATCH): **August 2017 – Present**
A cross-national study to support interrelated cancer-prevention behaviors among postpartum women

£40000. Sponsor: Cancer Research UK. Caitlin Noley (PI), Allison Kurti, Dian Nostikasari, Jamie Payton, Claire Adams, Angelos Kassianos. Role: Co-PI.

Transportation for America, State of the Art Transportation Training Workshop **2018**
(submitted) Role: grant writer

App-based Crowd Sourcing of Bicycle and Pedestrian Conflicts **Sept 2015 - August 2016**
\$ 120,001. Sponsor: Western Michigan University. Transportation Research Center for

Livable Communities. S. Mattingly (PI), C. Casey and T. Johnson.
Role: Postdoctoral Research Associate for Colleen Casey

Developing Performances Measures to Capture the Effects of Transportation Facilities on Multiple Public Health Outcomes. Sept 2015- August 2016

\$136,376. Sponsor: Western Michigan University. Transportation Research Center for Livable Communities. C. Casey (PI), J. Williams, J. Li, & S. Mattingly.
Role: Postdoctoral Research Associate for Colleen Casey

Neighborhood Improvement Grant 2014

Awarded \$1 Million for sidewalks construction in South Oakcliff, Dallas TX.
Sponsor: North Central Texas Council of Government (NCTCOG)
Role: Principal investigator in collaboration with the Dallas Area Habitat for Humanity; designed, conducted, and presented research highlighting community's need and high priority areas for sidewalks improvements and/or constructions.

Dissertation, \$500 for GPS recorders, Civil Engineering Department, UT Arlington 2014

Implementation of Accessible Land Use Modeling Tools for Texas Applications 2010

\$219, 000. (January 2009 - January 2011)
Sponsor: Texas Department of Transportation
Role: Research assistant, collected demographic data from U.S. Census Bureau, conducted literature review and weighting in GIS; developed maps and 3D graphs in GIS, drafted initial report and guidebook.

Texas Parks and Wildlife Grants for Local Municipalities 2010

Matching grants \$491K for City of Forest Hill, Texas
Role: Research assistant for the Institute of Urban Studies at UT Arlington; collected spatial data and mapping in GIS and developed site plan for some of the proposed parks.

TEACHING EXPERIENCE

Instructor–CIRP 5303 Planning History, Theory and Ethics Spring 2016

Graduate course, College of Architecture, Planning and Public Affairs, UT Arlington

Instructor–URPA 5311 Social Policy Formation Spring 2016

Graduate course, College of Architecture, Planning and Public Affairs, UT Arlington

Instructor – INTS 4388 Special Topics: Urban Food Deserts Summer 2014

Undergraduate course for the Interdisciplinary Studies Program, UT Arlington
The course examined how societal structures and spatial layout of cities affect people's access to healthy food options. Students learned how access to healthy food options in industrialized cities is related to identity, inequity, political economic relations, power, and capitalism.

Teaching Assistant – Graduate Courses, UT Arlington 2010-2015

CIRP 5303 Planning History Theory and Ethics with Enid Arvidson Spring 2015

UPPP 6300 Advanced Urban Theory with Colleen Casey Fall 2014

URPA 5352 Conflict Resolution and Personnel Management in the Public Sector Spring 2011
with Darla Hamann

URPA 5351 Public Human Resources with Darla Hamann Fall 2010

Teaching Assistant – Undergraduate Courses, UT Arlington 2010-2015

INTS 2301 Interdisciplinary Perspectives on Social Justice with James Welch	Spring 2014
INTS 4301 Interdisciplinary Studies Research Process with David Arditi	Fall 2012, Spring 2013
INTS 4301 Interdisciplinary Studies Research Methods with Michan Connor	Spring 2011, Fall 2013
INTS 4388 The Metroplex: Justice, Democracy and the Metropolitan Environment with Michan Connor	Spring 2011, Fall 2013

HONORS AND AWARDS

Knowledge Integration Sandpit Workshop	April 2017
Competitive, multi-disciplinary, multi-nationals, three-day intensive workshop to facilitate the development of innovative research projects to investigate the role of health behaviors, such as physical activity in cancer prevention. Sponsor: U.S. National Cancer Institute (NCI) and Cancer Research UK	
Journal of Planning and Education Research Writing Workshop	August 2015
Competitive three days intensive publication-writing workshop	
Enhanced Graduate Teaching Assistantship and Graduate Doctoral Teaching Fellowship, UT Arlington	2010-2015
Competitive fellowship for new PhD students, full tuition waiver and monthly stipend	
Merit Award, UT Arlington	2015
Academic excellence awarded for graduating students with min. GPA 3.8	
Dean Excellence Scholarship, UT Arlington, \$500	2014
Student Travel Award, UT Arlington, \$1000	2010, 2015
University Scholar, UT Arlington	2010
Awarded to the top one percent of the student body at UT Arlington each year nominated by the colleges, schools and departments.	
R.L. "Jerry" and Lucille "Lucy" Mebus Public Service Graduate Fellowship	2009
UT Arlington, \$500, competitive financial assistance for students interested in pursuing careers in public service.	
Texas American Planning Association (TxAPA) Student Best Project Award	2009, 2010
Forest Hill Parks Recreation Master Plan; Vidor Comprehensive Land Use Plan	

SELECTED CONFERENCE PRESENTATIONS

- Nostikasari, D.**, Patterson, Grant, and Kyle Shelton. "Uncovering Hidden Risks: Transportation Safety Concerns in an Immigrant Gateway Neighborhood." 2018 ACSP Conference, Buffalo, NY.
- Nostikasari, D.** Engagement in Broad Spectrum: Reaching the Underserved (Panel). 2018 Texas American Planning Association Conference, Galveston, TX.
- Nostikasari, D.** and Nicole Foster. "Inhabiting Conceptual Space: The Right to the City and Struggles over Transportation Geographies." 2018 Royal Geographical Society (RGS-IBG) Conference, Cardiff, UK.
- Nostikasari, D.** and Kyle Shelton. "Learning from Close Calls: A Glimpse Into Near-Miss

Experiences.” Invited speaker for the 2017 National Association of Transportation Officials (NACTO) Conference, Chicago, IL.

Nostikasari, D., Colleen Casey, Ziaur Rahman, Sunil Madanu, Stephen Mattingly. “Integrating Regional and Neighborhood-Level Decisions on Infrastructure Investments for Healthy, Livable Communities,” 2016 Association of Collegiate Schools of Planning (ACSP) Conference, Portland, OR.

Nostikasari, D. and Colleen Casey. “Assessing the black-box of transportation planning: Making everyday travel experience matter” (individual paper), 2015 ACSP Conference, Houston, TX.

Nostikasari, D. “Representations of the Everyday Travel: Assumptions and Experiences of Communities in the Dallas-Fort Worth Metropolitan Area” (individual paper), 2014 ACSP Conference, Philadelphia, PA.

Nostikasari, D. “Representations of Everyday Travel Experiences: Case Study of the Dallas-Fort Worth Metropolitan Area” (organized paper), 2014 Urban Affairs Association, San Antonio, TX.

Nostikasari, D. “Not So New Directions in Transportation Planning: The Long Road towards Inclusion” (individual paper), 2013 UAA, San Francisco, CA.

Nostikasari, D. “Impacts of a Metro Rail System on Land Use and Local Policies: A Case Study of Austin Metropolitan Region” (Poster), 2010 ACSP Conference, St. Paul-Minneapolis.

COMPUTER SKILLS

ArcGIS, Adobe Design Suite, NVivo, Dedoose, SPSS, AutoCAD, TransCAD, SketchUp

ACTIVITIES & PROFESSIONAL ASSOCIATION MEMBERSHIPS

Co-Founder-organizer, Ph.D. Colloquium (now PhD Consortium)

College of Architecture, Planning and Public Affairs

Association of Collegiate Schools of Planning (ACSP)

American Planning Association (APA)

American Association of Geographers (AAG)

Student Planning Association, University of Texas at Arlington

International Vernacular Architecture Conference, University of Indonesia

COMMUNITY OUTREACH/SERVICE

Houston-Galveston Area Council (HGAC) pedestrian and bicycle subcommittee	Ongoing
Harris County Health Department Health Impact Workshop, with Pew Research Center	2016
Research and Learning Center at the Fort Worth Museum of Science and History, TX	2016
Reviewer for the <i>Journal of Planning Education and Research</i>	2015
Interdisciplinary Studies Program High School Camp, UT Arlington	2014
Judge in the Annual Celebration of Academic Excellence Students (ACES), UT Arlington	2014

LANGUAGE

English (Fluent), Bahasa Indonesia (Native), Sundanese-West Java (Conversational)

PUBLICATIONS IN MEDIA

[Has light rail benefitted Houston?](#) *Houston Chronicle: Gray Matters*. January 12, 2018.

Republished in [Government Technology](#).

[Access to Jobs is About Access to Transit](#). *The Urban Edge*. August 7, 2017. Republished in [Government Technology](#).

[The Lack of Walkable Communities Can Have Deadly Consequences](#). *The Urban Edge*. Apr 19, 2018.

[How Safe are Houston's Streets?](#) *Houston Chronicle*. May 9, 2017. Repost from The Urban Edge.

[What Happens When Pedestrians and Bicyclists Are Afraid of Certain Routes](#). *The Urban Edge*. May 8, 2017.

[What Losing Access to Federal Data Could Mean for Researchers and Advocates](#). *The Urban Edge*. April 13, 2017. Republished in [Government Technology](#).

MEDIA COVERAGE:

Houston Public Media. Gail Delaughter. March 25, 2019. [Study: Transit-Dependent Houstonians Are Struggling With Poor Sidewalks](#). *Houston Public Media*.

ABC13 (KTRK). Elissa Rivas. January 10, 2019. [Researchers say more work needs to be done to make Gulfton safe for walkers and cyclists](#).

Strong Towns. June 6, 2017. Joe Cortright. [The Hidden Bias of Big Data](#). Republished from City Observatory.

KHOU. Adam Bennett. Jun 2, 2017. [Rice University Releases Findings on Danger for Cyclists, Pedestrians on Houston Roads](#).

StreetsblogUSA. Stephen Miller. May 26, 2017. [Attempting to Gauge the Impact of "Near-Miss" Incidents on Houston's Streets](#).

Houston Matters. Michael Hagerty. May 18, 2017. [Study Examines How and Where 'Near-Misses' Happen on Houston Roads](#).

Next City. Kelsey E. Thomas. May 9, 2017. Analyzing Bike Collisions Doesn't Tell the Whole Story. <https://nextcity.org/daily/entry/report-near-misses-bike-pedestrian-accident-analytics>

Houston Public Media. Gail Delaughter. March 7, 2017. [New Study Looks At 'Close Calls' For Cyclists and Pedestrians](#).