

## AJAY AGARWAL

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### EDUCATION

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- 2009 Doctor of Philosophy in Planning, University of Southern California (USC), Los Angeles.
- 2003 Master of Planning, University of Southern California, Los Angeles.
- 1997 Post Graduate Diploma in Planning (equivalent to MS), Centre for Environmental Planning and Technology, Ahmedabad, India.
- 1995 Bachelor of Architecture, Lucknow University, Lucknow, India.

### RESEARCH IN PROGRESS

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- 2014- Emerging travel behaviour of Generation Y and its planning and policy implications
- 2012- Barriers to active transportation in midsize Canadian cities

### RESEARCH GRANTS

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- 2015 **SSHRC Insight Development Grant**  
*Will Millennials be the Sustainable Generation? Policy Implications of Millennials' Travel Patterns in Metropolitan Canada*
- 2014 **Shastri Indo-Canadian Institute Partnership Seed Grant**  
*Envisioning Pune's future growth in socially and environmentally responsible ways*
- 2014 **Shastri Indo-Canadian Institute Research Grant**  
*Addressing mobility and accessibility issues in Pune's urban core*
- 2012 **Senate Advisory Research Council Grant, Queen's University**  
*Transportation Network and Employment Centre Growth in the Greater Toronto Area*
- 2012 **Shastri Indo-Canadian Institute Pro-Development Initiative Grant**  
*Developing Environment Friendly Urban Villages: Lessons from Auroville, India*
- 2011 **Senate Advisory Research Council Grant, Queen's University**  
*How do transit supportive land use policies impact urban form?*
- 2010 **Senate Advisory Research Council Grant, Queen's University**  
*Public Transit and Urban Form: Evidence from the Toronto Region*
- 2008 **USC LUSK Center for Real Estate Research Grant**  
*Local Development Policies and Employment Center Growth*
- 2006 **Lincoln Institute of Land Policy Dissertation Fellowship**  
*Testing the Entrepreneurial City Hypothesis: A Study of the Los Angeles Region*
- 2006 **USC Urban Initiative Research Grant**  
*Examining the Determinants of Employment Center Growth in the Los Angeles Region*

### REFEREED PUBLICATIONS

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- 2016 **Agarwal A.** "Emerging Mobility Pattern of Generation Y: Evidence from the Greater Toronto Area." Under Revision.
- 2016 **Agarwal A.** and P. Collins. "Opportunities and Barriers for Promoting Public Transit Use in Midsize Canadian Cities: A Study of Kingston, Ontario." *Canadian Journal of Urban Research*. Accepted March 2016
- 2015 **Agarwal A.** "An Examination of The Determinants of Employment Center Growth: Do Local Policies Play A Role?" *Journal of Urban Affairs*. Vol. 37 (2) pages 192-206.
- 2015 Collins P., **Agarwal A.** "Impacts of Public Transit Improvements on Ridership, and Implications for Physical Activity, in a Low Density Canadian City." *Preventive Medicine Reports*. Vol. 2, pages 874-879

- 2014 Giuliano G. and **A. Agarwal**. "Landuse Impacts of Transportation Investments: Highway and Transit" in Hanson S. and G. Giuliano (editors) *The Geography of Urban Transportation Fourth Edition*, New York, NY: The Guilford Press. Forthcoming.
- 2013 **Agarwal A.** "Latent Travel Demand" 1500 words entry in the *Encyclopaedia of Transportation: Social Science and Policy*. Sage Publications.
- 2013 **Agarwal A.** "Triple Convergence" 1400 words entry in the *Encyclopaedia of Transportation: Social Science and Policy*. Sage Publications.
- 2012 **Agarwal A.** and A. North.\* "Encouraging Bicycling among University Students: Lessons from Queen's University, Kingston, Ontario" *Canadian Journal of Urban Research*, Volume 21 (1), pages 151-168.
- 2012 **Agarwal A.**, Giuliano G., and C. Redfearn. "Strangers in our Midst: The Usefulness of Exploring Polycentricity." *The Annals of Regional Science*. Volume 48 (2), pages 433-450.
- 2012 Giuliano G., C. Redfearn, **A. Agarwal**, and S. He. "Network Accessibility and Employment Centers." *Urban Studies* Volume 49 (1), pages 77-95.
- 2010 Giuliano G. and **A. Agarwal**. "Public Transit as a Metropolitan Growth and Development Strategy" in Wolman H., N. Pindus, and H. Wial (editors) *Urban and Regional Policy and Its Effects Vol. 3*, Washington D.C.: The Brookings Institution Press.
- 2008 Giuliano G., **A. Agarwal**, and C. Redfearn. "Metropolitan Spatial Trends in Employment and Housing" in *Transportation Research Board Special Report 298: Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO2 Emissions*. Available online: <http://onlinepubs.trb.org/Onlinepubs/sr/sr298giuliano.pdf>
- 2007 Giuliano G., C. Redfearn, **A. Agarwal**, C. Li, and D. Zhuang. "Employment concentrations in Los Angeles, 1980-2000," *Environment and Planning A*, Volume 39, pages 2935-2957.

(\* Denotes a Master of Planning student

#### **GRADUATE TEACHING**

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1. Employment Analysis (4-weeks Module)
2. Planning for Sustainability (Team Taught)
3. Physical Planning
4. Land Use Planning Project
5. International Planning Project (India)
6. Community Design
7. Urban Transportation and Health
8. Urban Transportation Policy
9. Healthy Communities

#### **UNDERGRADUATE TEACHING**

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1. Urban and Regional Economics
  2. Urban Context of Planning
  3. Transportation Geography
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#### **NON-REFEREED/PROFESSIONAL PUBLICATIONS**

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- 2015 Moos M., M. Williamson, A. Agarwal "Millennials Ditching Their Cars: For Now or for Good?" *Curb*, Edmonton, Alberta: City Region Studies Centre
- 2014 **Agarwal A.** "Developing Customized Sustainable Development Indicators for Auroville, India" *Ontario Planning Journal* Vol. 29 (4) page 5.
- 2013 Collins P. and **Agarwal A.** "Survey of Commute Patterns of Queen's Employees: Preliminary Summary Report." Kingston, ON: Queen's University.
- 2013 **Agarwal A.** "SURP Plans in India." *Ontario Planning Journal* Vol. 28 (4) page 8.
- 2009 **Agarwal A.** *Do Local Government Policies Influence Employment Center Growth? Evidence from the Los Angeles Region*. Los Angeles, CA: USC Lusk Center for Real Estate.

## **POLICY REPORTS**

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- 2005 Giuliano, G., **A. Agarwal**, C. Li, and A. Linder. *Port Shutdown Impact Study*. Los Angeles, CA: California Department of Transportation and Los Angeles County Metropolitan Transportation Authority.
- 2004 **Agarwal A.**, G. Giuliano, and C. Redfearn. “*The Alameda Corridor: A White Paper*” Los Angeles, CA: USC METRANS Transportation Center. Available online: <http://www.usc.edu/schools/price/keston/pdf/alameda-corridor-wp.pdf>

## **REFEREED CONFERENCE PAPERS**

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- 2014 **Agarwal A.** and P. Collins. “Travel Behaviour of Gen Y versus Gen X: Evidence from the Greater Toronto Area.” 55<sup>th</sup> Annual ACSP Conference, Philadelphia, Pennsylvania.
- 2013 **Agarwal A.**, G. Giuliano and C. Redfearn. “Understanding Agglomeration Economies Through The Lens of Polycentricity” North American Regional Science Association, Atlanta, Georgia.
- 2012 **Agarwal A.**, Giuliano G., and C. Redfearn. “Strangers in our Midst: The Usefulness of Exploring Polycentricity.” 53rd Annual ACSP Conference, Cincinnati, Ohio.
- 2011 **Agarwal A.** and L. Hu. “Is the Devil in the Detail: An Assessment of Employment Center Identification Methods.” 52nd Annual ACSP Conference, Salt Lake City, Utah.
- 2010 **Agarwal A.**, G. Giuliano, L. Hu, C. Redfearn, and S. He. “Network Accessibility and the Evolution of Urban Employment in the Los Angeles Region” 51st Annual ACSP Conference, Minneapolis, Minnesota.
- 2010 Giuliano G. and **A. Agarwal**. “Is Public Transit Investment an Effective Growth Management Strategy?” 49th Annual Western Regional Science Association (WRSA) Conference, Sedona, Arizona.
- 2009 G. Giuliano, **A. Agarwal**, and S. He “Network Accessibility and the Evolution of Urban Employment” 48th Annual WRSA Conference, Napa, California.
- 2009 **Agarwal A.** “Local Governments and Urban Form: Case Studies from the Los Angeles Region.” 50th Annual ACSP Conference, Washington D.C.
- 2009 **Agarwal A.** “Planning and Urban Form: Evidence from the Los Angeles region.” 48th Annual WRSA Conference, Napa, California.
- 2008 **Agarwal A.** “Do Local Governments Influence Metropolitan Spatial Structure? Evidence from the Los Angeles Region.” Joint AESOP-ACSP Conference, Chicago, Illinois.

## **INVITED LECTURES**

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- 2015 “Transport Network Access and Employment Centre Growth” School of Planning, University of Waterloo
- 2014 “Mobility and Accessibility in Central Business Districts,” College of Architecture, Bharati Vidyapeeth Deemed University, Pune, Maharashtra, India.
- 2013 “Overcoming Barriers to Bicycling among University Students” School of Architecture, Planning and Landscape Architecture, Auburn University, Auburn, Alabama.
- 2013 “Planning for Sustainable Transportation” Department of Civil Engineering, Queen’s University, Kingston, Ontario.
- 2012 “Understanding Travel Behaviour” College of Architecture, Bharati Vidyapeeth Deemed University, Pune, Maharashtra, India.
- 2012 “Changing Urban Spatial Structure of American Cities” School of Architecture and Planning, Anna University, Chennai, Tamil Nadu, India.
- 2012 “Travel Behaviour and Health” Department of Kinesiology and Public Health, Queen’s University, Kingston, Ontario.
- 2012 “Planning for Sustainable Transportation” Department of Civil Engineering, Queen’s University, Kingston, Ontario.
- 2008 “Examining Determinants of Employment Center Growth in the Los Angeles Region” USC Lusk Center for Real Estate, Los Angeles, California.

## **MEDIA COMMENTARY**

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- 2015 “Downtown intensification trending” *The Kingston Whig-Standard*, June 17.
- 2015 “Calgary to ban right hand turns on red lights” *NewsTalk 770* March 19.
- 2013 “Helping develop performance measures for sustainable development in Auroville, India”  
*Auroville Radio*, December 17.
- 2013 “Morning commutes, STEM education dual focuses of new census release” *Ottawa Citizen*, June 22.
- 2013 “Walking to work second highest in Canada” *The Kingston Whig-Standard*, June 26.
- 2013 “Growth in gridlock adds to problems for commuters” *Ottawa Citizen*, June 13.
- 2013 “Waiting on the North Block” in *The Kingston Whig-Standard*, February 2.
- 2013 “India trip allowed students to see urban planning in action” *The Kingston Whig-Standard*,  
January 22.

## **EMPLOYMENT**

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- 2015- Associate Professor, School of Urban and Regional Planning, Queen’s University, Kingston
- 2009-15 Assistant Professor, School of Urban and Regional Planning, Queen’s University, Kingston
- 2007-09 Adjunct Lecturer, School of Policy, Planning, And Development, Los Angeles
- 2001-09 Research Assistant, USC Metrans Transportation Center, Los Angeles
- 2002-03 Planning Assistant, Los Angeles Metropolitan Transportation Authority, Los Angeles
- 2001-03 Planning Assistant, USC Center for Economic Development, Los Angeles
- 1998-01 Founding Partner, Aayam Architects, Noida, India
- 1997-98 Land Use Planner, ISKCON Master Plan Office, Bangalore, India