

# Sandeep Kumar Agrawal

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## Degrees

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- **PhD** in Regional Planning, University of Illinois at Urbana-Champaign (UIUC), Il (2001)
- **Master of City Planning**, University of Manitoba, Winnipeg, Canada (1994)
- **Bachelor of Architecture** (5 year Professional Degree), Indian Institute of Technology-Roorkee, India (1991)

## Honours/Awards

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- Awarded Ryerson Merit based on annual performance (7 consecutive years)
- Member, Committee of Adjustment. Appointed by the Toronto City Council. 2007-2010.
- Domain Leader, The Welcoming Communities Domain. The Ontario Metropolis Centre - CERIS (2008 – present)
- Visiting Fellowship, IIT-Roorkee. 2005.
- GREET Teaching Award for excellence in teaching at Ryerson. (2002)
- Outstanding Teaching Assistant Award from the Department of Urban and Regional Planning, the University of Illinois. (1997)
- Ranked in the list of excellent teachers on the University of Illinois campus for five consecutive semesters. (Fall, 1997; Spring, 1997; Fall, 1996; Spring, 1996; Spring, 1995)
- Recipient of Best Master's Thesis Award, Department of City Planning, University of Manitoba. (1994).
- Recipient of the Corrigan Scholarship in the Department of City Planning, University of Manitoba. Awarded for academic excellence in the Master's program. (1992).
- Recipient of the University scholarship at University of Roorkee, India in Bachelor's for highest merit. (1987-1991).

## Teaching Experience

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- **Graduate Program Director (Int)** of the new Master of Urban Planning in Urban Development. (Jan 2008 – present)
- **Associate Professor and Associate Director (Interim)** in the School of Urban and Regional Planning, Ryerson University, Toronto, Canada (2004 – Present). Teach following graduate courses: Multicultural Cities and Public Policies; and Changing Mosaic of the Greater Toronto Area in **Master's in Planning**, **Master's in Immigration and Settlement Studies** (MISS) and in **Master's in Early Childhood Studies**.
- **Assistant Professor** in the School of Urban and Regional Planning, Ryerson University, Toronto, Canada (1999 – 2004). Taught lower and upper level studio, proposal development, urban design and planning support systems courses.
- **Graduate Teaching Assistant** in the Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign (January 1994 - November 1997):
  - o **Co-Instructor** in a **graduate course 'Planning Analysis and Methods'**. Taught CAD, Data mapping (MapInfo and ArcView), Data analysis, Desktop publishing & Presentation software on various computer platforms. Developed web-based software tutorials, and course assignments. (Spring of 1994, 1995, 1996, 1997).
  - o **Instructor** for the course **'Graphic and Written Communication for Planners'**; a required course for the undergraduate planning students. Taught graphics, writing, and computer software for planning analysis (Fall 1996; Fall 1997).
  - o **Co-Instructor** in an introductory GIS course to planning professionals. (Summer 1996)

- **Graduate Teaching Assistant** in the Faculty of Architecture, University of Manitoba in the courses:
  - o **'Introduction to Computer Graphics'** course for graduate students (Fall 1992, 1993). Taught concepts of 2D CAD, Image Processing, Data Processing and 3D Modeling, and prepared class assignments.
  - o **'Introduction to Computers in Design Practice'** computer graphics course for design practitioners (Fall 1992) Developed syllabus, lectures, presentations, hand outs, and class exercises. Taught basic concepts of 3D computer modeling.

## **Professional Experience**

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- **Senior Planning Associate/Advisor**, The Biglieri Group (Planning, Development and Project Management Consultants). (2005- 2007). Responsible for managing numerous municipal planning, urban design and development projects. Some notable examples are:
  - o Won the competition to develop Site-specific urban design bylaw for the City of Pickering. The bylaw was developed based on Smart Codes and Transect Planning
  - o Subdivision plans, infill developments for sites in the cities of Pickering, Oshawa and Toronto
  - o Urban design section of the Official Plan for the City of Owen Sound
  - o Represented clients at the Ontario Municipal Board
- **GIS Analyst and Planner**, Parsons Harland Bartholomew and Associates, Inc. (June 1998 – July 1999). Responsible for managing and carrying out land use and environmental inventory and analysis in various federal and municipal government planning projects.
- **Preservation Planner**, Heritage and Urban Design Commission, City of St. Louis (November 1997- May 1998). Responsible for reviewing demolitions based on Section 106 of National Historic Preservation Act. Developed city-wide Preservation Plan and conducted census analysis using GIS. Worked with citizen groups and elected representatives of various wards to initiate preservation planning activities.
- **Modeling Analyst**, Champaign County Regional Planning Commission, Urbana (May 1997- December 1997). Developed bike routes, greenways and trails plans and policies using GIS and CAD as part of the Regional Greenways project for Champaign County.
- **Research Assistant** in the Department of Urban Planning, University of Illinois at Urbana-Champaign. (Jan 1996- August 1996) Involved in customizing CAD software - Microstation using C and C-based Microstation Development Language (MDL) programming language for real-time spatial experience and dynamic annotation of the space.
- **Research Assistant** at the US Army Construction Engineering Research Lab, Champaign, IL (July 1994 - August 1995) Developed a research proposal on 'Map generalization in digital cartography using Fuzzy Set and Natural Language Computation'.
- **Technical Research Assistant** at Canadian Institute for Barrier-Free Design, University of Manitoba (May'93-Dec.'93). Performed ergonomic research on Barrier-free National & Provincial building codes of Canada and developed research proposals for the National Research Council of Canada.
- **Planner Assistant**, Downtown Business Improvement Zone (BIZ), Winnipeg (February 1993- October 1993). Proposed amendments to the city by-laws, reviewed the Winnipeg Downtown Plan, developed a long Range business plan and prepared feasibility report for the Downtown Winnipeg Portal Banner Project.

## **Professional/Community Development**

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- Reviewer of SSHRC Standard Research Grant applications.
- Manuscript Reviewer for the following journals: *Planning Theory*, *the Canadian Review of Sociology and Anthropology* and *the Canadian Journal of Urban Research*

- Adjudicating Member, Early Researcher Awards, Ontario Ministry of Research and Innovation. 2008-09
- Member, Committee of Adjustment (Toronto/East York); appointed by the Toronto City Council. 2007-2010.
- Member, Search Committee for the Dean of School Graduate Studies. 2007
- Data Committee Chair, Centre of Excellence for Research on Immigration and Settlement, Toronto (2006 – present)
- Member, Faculty Promotion Committee (2006 – present)
- Member, Ontario Graduate Scholarship Selection Board, Ontario Ministry of Training, Colleges and Universities 2005-06; 2008-2009
- Co-chair, Urban Design and Heritage track, World Planning Congress, Mexico City, Mexico. (2006)
- Member, Programming Committee, National Metropolis Conference 2007, Toronto.(2006 – present)
- Member of the Executive and Admissions committees of the Masters in Immigration and Settlement Studies program. (2004 – present)
- Member of the Executive committee of the Masters in Spatial Analysis program (2003 – present)
- Member of the Faculty of Community Services (FCS) Scholarly Research and Creative (SRC) Committee (2003- 2005)
- Member of the FCS Dean Search Committee (2005-06)
- Member of the Departmental Appointment Committee (2005- present)
- Member of the Faculty-wide Merit Committee (2004-present)
- Board Member of Community and Social Planning Council of Toronto and Chair of the Research Committee. (2001-2004)
- Vice-Chair of the Midtown Preservation Panel (2001-2004)
- Member of the Scarborough Preservation Panel; appointed by the Toronto City Council. (2004-present)
- Member of the Board of Directors of Heritage Toronto. (2002 – 2006)
- Member of the Steering Committee of the Greater Toronto Area Forum
- Member of the Urban Design Working Group, Ontario Professional Planners Institute
- Member of the research review committee of Canadian Mortgage and Housing Corporation (2003- 04)

## **Funds**

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- \$249,000. The Edge of Town: Examining a New World. SSHRC Strategic Research Grant in Fine Arts application (result awaiting)
- \$35,000. The Region of Peel. Homelessness Infrastructure Study. 2008 (result awaiting)
- \$44,688. The Region of Peel. The Place to Grow Act and Provision of Community Infrastructure. 2008.
- \$80,000. The Region of Peel. Peel Immigration Project Discussion Papers. 2008 (co-investigator)
- \$50,000 The Metropolis Secretariat. To publish a Special Issue of Plan Canada on Welcoming Communities. 2008.
- \$31,000 Research contract. Ontario Planning Professionals Institute – 2008-2011
- \$48,000 The Homelessness Secretariat, HRDC and The Metropolis Project. 2007 (co-investigator)
- \$30,000 Canadian Mortgage and Housing Corporation. 2007 (co-investigator with SPR Associates Inc.)
- \$30,000 the POA Foundation and Ryerson University President’s Office. 2007
- \$18,000 The Ontario Trillium Foundation in collaboration with Sustainable Urban Development Association
- \$70,000 Negotiated and facilitated an endowment to the School, which resulted into a student scholarship award worth \$4,000/year in perpetuity.
- \$2,500 from the Bloor-Yorkville Business Improvement Association, Toronto. 2004-06
- \$5,000 funds from CERIS. 2006.
- \$5,000 under AVPA funding to develop SSHRC-4A proposal. 2006.
- \$7,000 under Ryerson Summer Research Assistant Program. 2006

- \$6,000 from the Region of Peel to study immigrants' needs and the provision of municipal services in the region of Peel. 2005
- \$14,000 from the Centre of Excellence for Research on Immigration and Settlement. 2005
- \$5,000 from FCS-SRC funds. 2005
- \$7,000 SSHRC Institutional Grant from Ryerson University. 2005
- \$11,000 from Heritage Toronto. 2004
- \$5,000 from the City of Toronto. 2004
- \$7,000 under Ryerson Summer Research Assistant Program. 2004
- \$4,000 Ryerson's work/study program. Fall 2003 and Winter 2004; Fall 2004 and Winter 2005.
- \$3,000 City of Toronto funded research entitled "Silk Road Network: Developing a Tourism Strategy for Ethnic Communities". 2003.
- \$9,900 AVPA Incentive Fund. 2003
- \$7,000 Internal SSHRC funding from Ryerson University. 2003.
- \$4,100 funding from Faculty of Community Services Committee of Scholarly research (FCS-SRC committee), Ryerson University. 2003.
- \$2,000 Internal SIG Travel grant. 2003.
- \$7,000 Ryerson Summer Research Assistant Program. 2003.
- \$2,000 Ryerson's work/study program. Fall 2002 and Winter 2003.
- \$7,000 Ryerson Summer Research Assistant Program. 2002.
- \$2,500 from the FCS-SRC committee to prepare for an external SSHRC grant. 2002
- \$2,000 from the FCS-SRC committee for research. 2001.
- \$1,250 Internal SSHRC research funding. 2000.
- \$4,100 Faculty of Community Services Committee of Scholarly research (FCS-SRC committee), Ryerson University. 1999.
- \$2,500 Funding from the FCS-SRC committee. 1999.

## **Research Publications**

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- Preston, V., Murdie, R., Wedlock, J., Agrawal, S. and Anucha, U. 2009. Immigrants and Homelessness – At Risk in Canada's Outer Suburbs. *The Canadian Geographer*. (forthcoming)
- Agrawal, Sandeep and Alex Lovell. 2009. Economic Integration of Immigrants: Indian and Chinese Immigrants in Canada. *Journal of International Migration and Integration*. (forthcoming)
- Agrawal, Sandeep. 2009. Design Review in India: A Case Study of Delhi Urban Art Commission. *Journal of Urban Design* (under review)
- Wayland, Sarah and Agrawal, Sandeep. 2008. Human Service Needs of Immigrants in Peel Region. Report submitted to the Region of Peel.
- Darden, Joe and Agrawal, Sandeep. 2009. Spatial Segregation and Socioeconomic inequality of immigrant groups. Book Chapter (forthcoming)
- Agrawal, Sandeep. 2009. What is this thing called multicultural urban design? (book chapter). Editors: Banerjee, Tridib and Loukaitou-Sideris, Anastasia. (forthcoming)
- Agrawal, Sandeep, Caroline Andrew and John Biles. Editorial. *Plan Canada*. Jan/Feb Special issue.
- Qadeer, M. and Agrawal, Sandeep. 2009. Evolution of ethnic enclaves in the Toronto Metropolitan Area 2001-2006. *The Canadian Geographer* (under review)
- Report to CMHC. 2008. Review of the Newcomer's Guide to Canadian Housing. (with SPR Assoc.)
- Agrawal, Sandeep and Lovell, Alex. 2008. Indian Immigrants in Canada: The shades of Economic Integration. Report produced for the POA Educational Foundation.
- Stillich, John and Agrawal, Sandeep. 2008. Housing Alternatives Acceptability Study. Report produced for the Ontario Trillium Foundation with Sustainable Urban Development Association
- Agrawal, Sandeep Kumar. 2008. Faith-based Ethnic Residential Communities and Neighbourliness in Canada. *Planning Practice and Research* Vol. 23 No. 1.

- Agrawal, Sandeep and Mohammad Qadeer. 2008. Faith-based ethnic Residential Communities and Neighbourliness. CERIS Working Paper No. 63.
- Agrawal, Sandeep. 2009. New Ethnic Places of Worship and Planning Challenges, Plan Canada. (forthcoming)
- Agrawal, Sandeep Kumar, M. Qadeer, A. Prasad. 2007. Immigrants' Needs and Public Service Provisions in Peel Region. *Plan Canada* June/July issue [47(2)]. Reprinted in *Our Diverse Cities* Vol. 4. Metropolis Project.
- Agrawal, Sandeep and Ladouceur, Emma. 2007. Design Review: Lessons for Toronto. *Plan Canada*. Vol. 47 No. 1.
- Agrawal, Sandeep K. and John Fraser. Housing Experiences of South Asian Immigrants in the Toronto area. (under review)
- Agrawal, Sandeep and Abdulhamid Hathyani. 2007. Funeral Sites, Rites and Rights in Multicultural Toronto. *Our Diverse Cities* Vol. 4.
- Kumar, Sandeep and Mohammad Qadeer. 2006. Immigrants' Needs and the Provision of Public Services in the Region of Peel. Report prepared for the Region of Peel
- Qadeer, M. and Kumar, Sandeep. 2006. Ethnic Enclaves and Social Cohesion. *Canadian Journal of Urban Research*. Special Issue on Immigration and Cities. Vol. 15 No. 2
- Kumar, Sandeep. 2006. Housing Adaptations: A Study of Asian Indian immigrant homes in Toronto. *Canadian Ethnic Studies Journal*. Vol. XXXVIII No. 1. Reprinted in in a Trio Publishing House, Poland Book edited by Professor Grazyna Woroniecka.
- Kumar, Sandeep. 2005. Decision-Making in Urban Design: The Ontario Municipal Board Decisions in Toronto, *Canadian Journal of Urban Research* Vol. 14. No. 2
- Kumar, Sandeep and Leung, Bonica. 2005. Formation of an Ethnic Enclave: Process and Motivations. *Plan Canada* June.
- Kumar, Sandeep and Martin, George. 2004. A Case for Culturally Responsive Urban Design. *Ontario Planning Journal* Vol. 19 No. 5 pgs 5-7
- Kumar, Sandeep and George, Varkki. 2004. Analyzing Planning and Design Discourses. *Environment and Planning B: Planning and Design*. Vol. 31, No. 6
- Kumar, Sandeep. 2003. Information in Design Review. *Planning, Practice and Research*. Vol. 18 No.4
- Qadeer, Mohammad and Kumar, Sandeep. 2003. Toronto's Residential Mosaic. *Ontario Planning Journal*. Vol. 18, No. 5. September/October.
- Kumar, Sandeep. 2003. The Ontario Municipal Board and the Urban Design Decisions. *Ontario Planning Journal*. Vol. 18, No. 5. September/October.
- Kumar, Sandeep. 2002. Canadian Urban Design Practice: A Review of Urban Design Regulations. *Canadian Journal of Urban Research*. Winter. Vol. 11, No.2
- Kumar, Sandeep and George, Varkki. 2002. Fallacious Argumentation in Design Review. *Urban Design International* Vol. 7 No. 2
- Kumar, Sandeep and Sandeepa Goel. 1994. Fuzzy Sets in Urban Design. *International Journal of Systems Science*, Vol. 25, No. 11.
- Kumar, Sandeep. 1993. Urban Design Review by Natural Language Computation. *Design, Methods, Theories, Research, Education and Practice*, Vol. 2, No.3.

### **Keynote Speaker/ Conference Papers/Presentations**

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- Preston, V., Murdie, R., Wedlock, J., Agrawal, S. and Anucha, U. 2009. Immigrants and Homelessness – At Risk in Canada's Outer Suburbs. CERIS Seminar. Jan 9<sup>th</sup>
- Qadeer, Mohammad and Agrawal, Sandeep. 2009. Evolution of Toronto's Ethnic Enclaves. CERIS public seminar. Feb 6<sup>th</sup>.
- Agrawal, Sandeep and Alex Lovell. 2008. Indian Immigrants in Canada. CERIS Seminar. Nov. 28<sup>th</sup>.

- Agrawal, Sandeep. 2008. **Keynote Speaker**. The Prosperity Agenda and Ontario's Successful South Asians: The importance of Social-Political and Economic Integration. Richard Florida's Martin Prosperity Institute. Sept 23rd.
- Agrawal, Sandeep. 2008. **Keynote speaker**. The Diversity Advantage. Canadian Urban Institute Leadership series.
- Agrawal, Sandeep. 2008. **Keynote Speaker**. Planning Our Communities in an Age of Diversity. Lamda Alpha International.
- Agrawal, Sandeep. 2008. Places of Worship and Planning Challenges. Metropolis Conference, Halifax.
- Agrawal, Sandeep. 2007. Development of Bihar. Global Meet for a Resurgent Bihar. Patna. Bihar.
- Agrawal, Sandeep and Abdulhamid Hathiyan. 2007. Funeral Sites, Rites and Rights in Multicultural Toronto. Metropolis Conference. Toronto.
- Agrawal, Sandeep. 2006. New Ethnic Places of Worship and Urban Planning Challenges. International Metropolis conference. Lisbon, Portugal.
- Agrawal, Sandeep. 2006. Faith-based ethnic communities in the Greater Toronto Area: Process of Exclusion or Inclusion? International Metropolis conference. Lisbon, Portugal.
- Kumar, Sandeep. 2006. Faith-based ethnic communities. World Planning Congress. Mexico City July 2006
- Kumar, Sandeep 2005. Housing Adaptations. Paper presented at the EDRA conference, Vancouver.
- Kumar, Sandeep. 2004. Urban Design decision-making models: Comparing Toronto and Vancouver. Panel moderator and presenter in the CIP-OPPI conference in Toronto.
- Kumar, Sandeep. 2004. Housing Adaptations in Ethnic Enclaves. Paper presented in the AESOP conference, Grenoble, France.
- Kumar, Sandeep. 2003. The Ontario Municipal Board and the Urban Design Decisions. Paper presented at the ACSP conference, Leuven, Belgium.
- Kumar, Sandeep. 2003. Fostering Transactive Planning through technology. Paper accepted for presentation at the STLHE conference in Vancouver.
- Kumar, Sandeep. 2002. Culturally Sensitive Urban Design. Paper accepted for presentation at the Association of Collegiate Schools of Planning Conference, Baltimore, MD.
- Kumar, Sandeep and Mars, Jim. 2001. A Survey of Urban Design Regulations. Paper presented for presentation at the Association of Collegiate Schools of Planning Conference, Cleveland, OH.
- Kumar, Sandeep. 2000. Exploring Geographic Information Systems as a pedagogical tool in urban design. Paper presented at the International conference on decision support systems in architecture and urban planning, The Netherlands.
- Kumar, Sandeep. 2000. Information in Design Review: Applying Discourse Analysis. Paper presented for presentation at the Association of Collegiate Schools of Planning Conference, Atlanta, GA.
- Kumar, Sandeep and Varkki George. 1999. Information, power and decision-making in design review. Paper presented at the Association of Collegiate Schools of Planning Conference, Chicago, IL.
- Kumar, Sandeep and Varkki George. 1997. Role of Information in Design Review: A Case Study. Paper presented at the Association of Collegiate Schools of Planning Conference, Ft. Lauderdale, FL.

## Media Coverage

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- OMNI-TV – South Asian Edition. Feature news. January 15 2009
- OMNI-TV – South Asian Edition News. January 9 2009.
- OMNI-TV – South Asian Edition. Feature News. November 7<sup>th</sup> 2008
- *The Globe and Mail*. Step aside, Pacific Mall, there's a new Taj in town. November 1<sup>st</sup> 2008.
- OMNI TV- South Asian Edition News. October 7th 2008
- OMNI TV- South Asian Edition News. September 22<sup>nd</sup> 2008
- *The Toronto Star*. Faith Groups plead with Planners.. August 18<sup>th</sup> 2008
- *The Toronto Star*. What's Toronto's brand? Ghettoes. August 16<sup>th</sup> 2008

- *The Washington Post*. As Churches Build on Protected Land, Fears of Growth Raised. August 8 2008.
  - *The Toronto Star*. Blessed be they who park. July 19<sup>th</sup> 2008.
  - *Novae Res Urbis*. Planning for Worship Vol. 12 No. 5 June 20 2008.
  - CBC-Radio. Here & Now. Interviewed by Matt Galloway. June 23 2008
  - *The Toronto Star*. Churches kickstart suburban sprawl, study shows. June 23 2008
  - Quoted in *The National Post*. Multicultural cash divides us: Mayor. March 07 2008
  - CBC News Website. Toronto's Mosaic: A Reality Check.  
<http://www.cbc.ca/toronto/features/diversity/bigpicture.html>
  - CBC Radio. Here and Now. Social Cohesion in Toronto. March 6 2008
  - Radio-Canada (French). March 3 and March 6 2008. Multicultural Toronto.
  - CBC-TV. February 14 2008. Multicultural Toronto.
  - Featured in the January 2008 of the *Canadian Immigrant* magazine
  - CBC –RCI-R, Sirius Satellite Radio (The Link-2) October 31 2007. reporter Marc Montgomery.
- Funeral Practices
- *The Toronto Star* Editorial 'Death and Diversity' (Oct 30 2007) based on my research on barriers to practice final rites
  - Appeared on OMNI-TV (News) September 24 2007. (profiled my research on barriers to practice final rites)
  - Fairchild TV news (September 21 2007) (profiled my research on barriers to practice final rites)
  - Interviewed and quoted in *The Toronto Star* (profiled my research on barriers to practice final rites) October 27 2007 (page A-7)
  - Interviewed for *The Toronto Star* on places of worship in the GTA
  - Interviewed on OMNI. 2 News on July 20<sup>th</sup> 2007.
  - Interviewed on OMNI.2 (Channel 14). Aired on April 29<sup>th</sup>, May 2<sup>nd</sup> & 5<sup>th</sup> 2007.
  - Interviewed and quoted in *National Post* as an expert in Ethnic Enclaves. Dec 27 2006.
  - Interviewed and quoted in *The Ryersonian* as an expert in multiculturalism Nov. 22 2006.
  - Appeared as an expert on multiculturalism. OMNI NEWS (OMNI.2), Toronto, 13 Nov 2006.
  - CBC Radio Canada International, Canada Today - India, Sirius Satellite Radio, Oct 13 2006
  - CBC Radio Canada International, Canada Today - Europe, Sirius Satellite Radio. Oct 12 2006
  - *The Toronto Star*. June 25 2005 First page news and a centre spread on my research (with Dr. Qadeer) on ethnic enclaves
  - Live CBC Radio Interview on the 19<sup>th</sup> of May 2005 to talk about Toronto's ethnic enclaves
  - Featured in *Toronto Life*. September. 2005