

## CURRICULUM VITAE

**FULL NAME:** Chandra R. Bhat

**INSTITUTION:** The University of Texas at Austin, Cockrell School of Engineering

**DEPARTMENT:** Civil, Architectural and Environmental Engineering

**TITLE:** Joe. J. King Chair in Engineering  
University Distinguished Teaching Professor

### CONTACT DETAILS:

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**PROFESSIONAL ENGINEER LICENSE:** State of Texas, No. 88971

### EDUCATION:

B.Tech.	Civil Engineering	Indian Institute of Technology	1985
M.S.	Transportation Engineering	Virginia Polytechnic Institute and State University	1987
Ph.D.	Civil Engineering	Northwestern University	1991

### CURRENT AND PREVIOUS ACADEMIC POSITIONS:

Assistant Professor (Research) and Lecturer	Civil Engineering	Northwestern University, Transportation Center	1991-1993
Assistant Professor	Civil Engineering	University of Massachusetts, Amherst	1993-1997
Assistant Professor	Civil Engineering	The University of Texas at Austin	1997-2001
Associate Professor	Civil Engineering	The University of Texas at Austin	2001-2005
Professor	Civil Engineering	The University of Texas at Austin	2005-Present
Professor (courtesy appointment)	Economics	The University of Texas at Austin	2013-Present
Honorary Professor	Civil and Enviro. Engineering	The Hong Kong Polytechnic University	2016-Present

### OTHER PROFESSIONAL EXPERIENCE:

Traffic Engineer	Raymond Keyes Associates	1987-1988
Associate Chair for Administration and Planning	Dept of Civil, Architectural and Environmental Engineering, UT Austin	2001-2007
Director	Center for Transportation Research, UT Austin	2012-2018

## CONSULTING:

Midwest System Sciences, Inc.	1991-1992
Oahu Metropolitan Planning Organization	1994-1996
KPMG Peat Marwick, Inc.	1997-1999
Puget Sound Regional Council	2000-2002
Houston Galveston Area Council	2000-2005
Federal Highway Administration	2002-2005
NuStats, Inc.	2005-2009
Cambridge Systematics	2007-2012, 2013-2014
Resource Systems Group	2008-2009, 2015-2016
Parsons Brinckerhoff	2009-2013
King Abdulaziz University, Jeddah, Saudi Arabia	2013-2015

## AWARDS (listed in reverse chronological order)

2017 Lifetime Achievement in Transportation Research and Education Award (Academic), awarded by the Council of University Transportation Centers (CUTC). This award is to "identify individuals who have had a long history of significant and outstanding contribution to university transportation education and research resulting in a lasting contribution to transportation."

2017 Transportation Research Board (TRB) Travel Analysis Methods Section Ryuichi Kitamura Award for the paper entitled "Transportation Planning to Accommodate Needs of Wind Energy Projects" (TRB 17-05309). This award is for the best paper, authored by a student(s)-mentor combination, submitted to the Travel Analysis Methods Section (ADB00) of TRB, which gets over 500 papers each year.

2016 Distinguished Alumnus of the Indian Institute of Technology, Madras in recognition of seminal contributions to the field of transportation and urban policy.

2015 Frank M. Masters Transportation Engineering Award, awarded by the American Society of Civil Engineers (ASCE), for "his pioneering contributions to transportation systems analysis, his international leadership in bridging the gap between the research and practice of transportation planning, and his dedicated efforts to produce a new generation of high quality transportation professionals."

2015 Hind Rattan Award, awarded by the Government of India in conjunction with a non-profit welfare society for PIOs (People of Indian Origin) residing outside India, for "outstanding services and scholarly achievements in the transportation and econometrics fields."

2013 Professor of Excellence and Longhorn Game Changer in promotional videos featured at UT athletic venues and social media.

2013 TRB Pyke Johnson Award for the paper entitled "Modeling of Household Vehicle Type Choice Accommodating Spatial Dependence Effects" by R. Paleti, C.R. Bhat, R.M. Pendyala, and K.G. Goulias. This award is given annually by the Transportation Research Board for the best paper in the area of planning and environment.

2013 Humboldt Research Award from the Alexander von Humboldt Foundation, Germany.

2012-2013 Billy and Claude R. Hocott Distinguished Centennial Engineering Research Award, awarded by the Cockrell School of Engineering, UT Austin.

2010 Induction into the Academy of Distinguished Teachers, UT Austin.

2010 Most Outstanding Faculty Award for Civil Engineering, awarded by the Student Engineering Council, Cockrell School of Engineering, UT Austin.

2009 S.S. Steinberg Award, awarded by the American Road & Transportation Builders Association (ARTBA).

2008 Outstanding Faculty Advisor Award, awarded by the Texas Institute of Transportation Engineers. Recognizes the outstanding faculty advisor of a student chapter of TexITE.

2008 Jefferson Science Fellow selectee at the U.S. Department of State, Office of the Science and Technology Adviser to the Secretary of State.

2008 Wilbur S. Smith Distinguished Transportation Educator Award, awarded by the Institute of Transportation Engineers (ITE).

2007 TRB Pyke Johnson Award for the paper entitled "Effect of the Built Environment on Motorized and Non-Motorized Trip Making: Substitutive, Complementary, or Synergistic?" by J.Y. Guo, C.R. Bhat, and R.B. Copperman. This award is given annually by the Transportation Research Board for the best paper in the area of planning and environment.

2006-2007 Outstanding Graduate Teaching Award, awarded by the Graduate School, UT Austin.

2006 Lockheed Martin Aeronautics Company Award for Excellence in Engineering Teaching, awarded by the College of Engineering, UT Austin.

2005 James Laurie Prize, awarded by the American Society of Civil Engineers (ASCE), for "innovative contributions to the analysis and design of transportation systems."

2004 Walter L. Huber Civil Engineering Research Prize, awarded by the American Society of Civil Engineers (ASCE), in recognition of contributions to "innovative methods in transportation systems analysis and modeling."

Received one of two best paper awards at the Transport Chicago 2003 Conference, held at the University of Illinois at Chicago for the paper entitled "An Analysis of Commuter Bicyclist Route Choice Using a Stated Preference Survey," by Stinson, M.A. and C.R. Bhat, June 2003.

Milton Pikarsky Memorial North American Dissertation Award for best transportation dissertation during the period May 1990-May 1992, awarded by the Council of University Transportation Centers, 1993.

Northwestern University Dissertation Year Award for outstanding academic performance and research achievements, 1991.

Transportation Research Forum (TRF) Graduate Student Paper Award for the paper titled "An Aircraft Routing Model with Departure Time Windows for a Hub and Spoke System," 1990.

Outstanding International Graduate Student Selectee of the National Research Council for International Students in Transportation, 1990.

Chicago Roundtable Council of Logistics Management Award for outstanding contributions in the field of logistics, 1990.

**HONORS (listed in reverse chronological order):**

Appointed as the Editor-in-Chief of *Transportation Research Part B*, effective January 1, 2019.

Listed as a top five cited researcher in the combined field of Logistics and Transportation based on Scopus and other sources, PLOS (<https://doi.org/10.1371/journal.pbio.3000384>), 2019

Listed as a top five leading transportation author in terms of papers published in *Transportation Research – Parts A through F* journals over the past 50 years, based on Nikunja M. Modaka, N.M., Merigó b , J.M., Weberc , R., Manzorb , F., and Ortúzar, J.D. (2019) Fifty years of Transportation Research journals: A bibliometric overview, *Transportation Research Part A*, 120, 188-223.

A top three leading transportation author in terms of papers and citations published in *Transportation Research – Part B*.

#1 ranked transportation author in terms of most number of papers with more than 300 citations and more than 100 citations in *Transportation Research – Part B*.

Appointed in 2019 to the ASCE Transportation and Development Institute’s Engineering Smart “X” (ESX) codes and standards task force (one of five members, two drawn from industry, one from the Federal Highway Administration, and two from academia) to establish “Smart Transportation and Development Standards” to define civil engineering codes and standards for the deployment of smart mobility and design of smart cities; ASCE smart city standards to be developed in six “X” areas: “Mobility-Energy-Productivity Index (MEP) Index Standard” to measure and characterize the smartness levels of cities, “Electric Vehicle (EV) Charger Installation Standard” for installation of electric vehicle chargers (including portable EV chargers), “5G Small Cell Installation Standard”, “Environmental Sensor Installation Standard” for installation of environmental sensors on street light posts and buildings, “Smart City Trenching Standard” for sidewalk trenching of cables for power and telecommunications

cabling to support smart systems infrastructure, and “eBus Pad and Lane Standard” for Electric bus stops and lanes.

Top-ranked transportation engineering researcher based on Thomson Reuters (ISI) Web of Science (WS) h-index and Google Scholar h-index.

Featured in the December 2017 issue of *The Week*, the largest circulated English magazine in India, as *one of six brightest Indian minds in America* for public service and contributions to the transportation field.

Appointed as the Joe J. King Chair in Engineering, effective September 1, 2017.

UT faculty member with the most downloads of research articles associated with her/his name across all of UT-Austin, Texas ScholarWorks, University of Texas Libraries, October 2016.

Listed in the top ten most cited Civil Engineering authors, Google Scholar, 2012 (among those registered with Google Scholar at that time).

#1 transportation educator in the country in terms of the most number of students who have received the Council of University Transportation Centers (CUTC) National Theses/Dissertation Awards.

Listed in the Most Cited Researchers in Civil Engineering: Developed for ShanghaiRanking's Global Ranking of Academic Subjects 2016 by Elsevier.

Appointed as an Honorary Professor, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, July 1, 2016 – June 30, 2019.

Listed in the "Top 10 Transportation Thought Leaders in Academia" by the Eno Center for Transportation and the Council of University Transportation Centers, May 2016.

2014 Jury panel member, International Association for Travel Behaviour Research (IATBR) Eric Pas Prize for the best PhD research in the area of travel behavior during the year 2013.

Featured as a *Transportation Leader* in the PROFILES section of the November–December 2013 issue, No. 289, of *TR News*, the bimonthly magazine of the Transportation Research Board of the National Academies.

2013 Distinguished Scientist and Visiting Professor as part of the Highly Cited (HiCi) Researcher Program of King Abdulaziz University in Saudi Arabia.

2010 Hussein M. Alharthy Centennial Professorship in Civil Engineering, Spring 2010 semester.

2009 Visiting Professor Fellowship, Department of Land Engineering, Faculty of Engineering, The University of Cagliari (UNICA), Italy, June 2009.

Certificate of Appreciation, Transportation Research Board, for Outstanding Service as Chair, Committee on Transportation Demand Forecasting (2001-2007), and Member, Section on Travel Analysis Methods (2004-2007).

2007 Jury panel member, International Association for Travel Behaviour Research (IATBR) Eric Pas Prize for the best PhD research in the area of travel behavior during the year 2007.

2007 International Visiting Research Fellowship in the School of Economics and Business, University of Sydney, Australia, May-July 2007.

Selected to participate in the 2006 U.S. Frontiers of Engineering Symposium, sponsored by the National Academy of Engineering, Dearborn, MI, September 21-23, 2006.

Spring 2005 Distinguished Transportation Seminar Speaker, University of South Florida, Department of Civil & Environmental Engineering and Center for Urban Transportation Research.

Guest editor of special issue of *Transportation*, entitled "Modeling Intra-Household Interaction and Group Decision-Making," Vol. 32, No. 5, 2005.

Jury panel member, International Association for Travel Behaviour Research (IATBR) Eric Pas Prize for the best PhD research in the area of travel behavior during the year 2001.

Fluor Centennial Teaching Fellowship in Engineering, 2001.

Outstanding Research Innovation honor from Texas Department of Transportation for project entitled "Transportation Control Measure Effectiveness in Ozone Nonattainment Areas," 2001.

University of Massachusetts Faculty Research Fellowship, 1994.

International Air Cargo Forum Scholarship for outstanding academic performance and contributions to the field of airline logistics, 1989.

Walter P. Murphy Engineering Fellowship, 1988.

**AWARDS/HONORS (of Chandra Bhat's Students - listed in reverse chronological order):**

*Council of University Transportation Centers (CUTC) National Theses/Dissertation Awards:*

M.S. student, Pragun Vinayak, received the Milton Pikarsky Memorial Award for the best MS thesis in the Transportation Science and Technology area, 2018.

Ph.D. student, Rajesh Paleti, received the Milton Pikarsky Memorial Award for the best PhD dissertation in the Transportation Science and Technology area, 2013.

M.S. student, Sriram Narayanamoorthy, received the Milton Pikarsky Memorial Award for the best MS thesis in the Transportation Science and Technology area, 2013.

M.S. student, Christina Bernardo, received the Charley V. Wootan Memorial Award for the best MS thesis in the Transportation Policy and Planning area, 2013.

M.S. student, Carey Blackmar, received the Charley V. Wootan Memorial Award for the best MS thesis in the Transportation Policy and Planning area, 2011.

M.S. student, Bharath Rajagopalan, received the Charley V. Wootan Memorial Award for the best MS thesis in the Transportation Policy and Planning area, 2009.

Ph.D. student, Abdul Pinjari, received the Charley V. Wootan Memorial Award for the best dissertation in the Transportation Policy and Planning area, 2008.

Ph.D. student, Jessica Guo, received the Charley V. Wootan Memorial Award for the best dissertation in the Transportation Policy and Planning area, 2004.

M.S. student, Aruna Sivakumar, received the Milton Pikarsky Memorial Award for the best MS thesis in the Transportation Science and Technology area, 2001.

M.S. student, Harikesh Nair, received the Milton Pikarsky Memorial Award for the best MS thesis in the Transportation Science and Technology area, 2000.

*Eno/Eisenhower/International Road Federation Awards:*

M.S. student, Christina Bernardo, received an Eisenhower Graduate Fellowship, awarded by the National Highway Institute, Federal Highway Administration, 9/1/12-8/31/13, \$11,500.

Ph.D. student, Nazneen Ferdous, received an Eisenhower Graduate Fellowship, awarded by the National Highway Institute, Federal Highway Administration, 9/1/10-8/31/11, \$5,000.

Ph.D. student, Jeffrey LaMondia, selected as an Eno Fellow to participate in the annual Leadership Development Conference, sponsored by the Eno Center for Transportation, 2009.

Ph.D. student, Naveen Eluru, selected to participate in the 2009 International Road Federation (IRF) Executive Leadership Program.

Ph.D. student, Ipek Sener, selected to participate in the 2008 International Road Federation (IRF) Executive Leadership Program.

Ph.D. student, Jeffrey LaMondia, received an Eisenhower Graduate Fellowship, awarded by the National Highway Institute, Federal Highway Administration, 9/1/07-8/31/09, \$3,000.

Ph.D. student, Rachel Copperman, received an Eisenhower Graduate Fellowship, awarded by the National Highway Institute, Federal Highway Administration, 9/1/07-8/31/08, \$6,500.

Ph.D. student, Abdul Pinjari, selected to participate in the 2007 International Road Federation (IRF) Executive Leadership Program.

M.S. student, Rachel Copperman, selected as an Eno Fellow to participate in the annual Leadership Development Conference, sponsored by the Eno Center for Transportation, 2005.

M.S. student, Rachel Copperman, received an Eisenhower Graduate Fellowship, awarded by the National Highway Institute, Federal Highway Administration, 9/1/05-8/31/07, \$60,668.

M.S. student, Allison Lockwood, selected as an Eno Fellow to participate in the annual Leadership Development Conference, sponsored by the Eno Center for Transportation, 2003.

M.S. student, Gozen Basar, selected as an Eno Fellow to participate in the annual Leadership Development Conference, sponsored by the Eno Center for Transportation, 2002.

*Southwest University Transportation Center (SWUTC) Regional Awards  
(based in part on research work conducted in theses/dissertation):*

M.S. student, Megan Hoklas, received the 2015 SWUTC Dr. Naomi Ledé Award to the Outstanding Masters Student.

M.S. student, Christina Bernardo, received the 2013 SWUTC Dr. Naomi Ledé Award to the Outstanding Masters Student.

Ph.D. student, Rajesh Paleti, received the 2011 SWUTC Dr. Robert Herman Award to the Most Outstanding Student.

Ph.D. student, Ipek Sener, received the 2010 SWUTC Dr. Robert Herman Award to the Most Outstanding Student.

Ph.D. student, Jeffrey LaMondia, received the 2010 SWUTC Dr. William J. Harris Award to the Outstanding Doctoral Student.

Ph.D. student, Naveen Eluru, received the 2008 SWUTC Dr. Robert Herman Award to the Most Outstanding Student.

Ph.D. student, Rachel Copperman, received the 2008 SWUTC Dr. William J. Harris Award to the Outstanding Doctoral Student.

M.S. student, Rachel Copperman, received the 2006 SWUTC Outstanding Masters Student Award and selected as the SWUTC 2006 Outstanding Student of the Year.

Ph.D. student, Aruna Sivakumar, received the 2005 SWUTC Dr. Robert Herman Award to the Most Outstanding Student.

M.S. student, Allison Lockwood, received the 2003 SWUTC Outstanding Masters Student Award.

M.S. student, Gozen Basar, received the 2002 SWUTC Outstanding Masters Student Award.

M.S. student, Teresa Frusti, received the 2001 SWUTC Outstanding Masters Student Award.



## UNIVERSITY COMMITTEE ASSIGNMENTS:

### Department Committees

Member	Building and Safety Committee	1997-1998
Member	Computer Use and Policies Committee	1997-1998
Member	Curriculum Committee	1997-2001
Chair	Ad hoc Subcommittee to evaluate science/math elective	1998-1999
Member	Web Page/Recruiting Information Committee	1998-1999
Faculty Advisor	Institute of Transportation Engineers	1998-Present
Coordinator	Transportation Graduate Program	1999-2001; 2002-2014
Member	Graduate Fellowships, Financial Aid and Recruiting	1999-2001; 2002-2014
Chair	Building and Safety Subcommittee	2001-2004
Chair	ABET Steering Committee	2001-2007
Member	Advisory Committee	2001-2007
Coordinator	Undergraduate Summer Internship in Transportation (USIT)	2003-2013
Chair	Adhoc Long Range Planning Committee	2006-2007
Member	Broad-based Faculty Search Committee	2007-2008
Member	Faculty Evaluation Committee	2007-2009, 2013-2015
Chair	ABET PO Subcommittee for Program Outcome #1	2009-2010
Member	Awards Committee	2009-2010
Chair	Awards Committee	2010-2013 2017-2018
Chair	Transportation Faculty Search Committee	2011
Member	Student Experience Committee	2019-Present

### College and University Committees

Member	Advisory Committee for Urban Studies Degree Program within the Urban Issues Program (UIP)	1997-Present
Member	Equal Opportunity in Engineering Program	1998-2001
Member	Parking and Traffic Policies Committee	2000-2002
Chair	Parking and Traffic Policies Committee	2001-2002
Member	College of Engineering Accreditation and Assessment Committee	2001-2007
Member	Search Committee for Senior Associate Vice President and Dean of Students	2005
Member	Selection Committee for the Lockheed Martin Aeronautics Company Award for Excellence in Engineering Teaching	2007, 2008
Member	Selection Committee for the Outstanding Graduate Teaching Award	2009

Member	Parking and Traffic Appeals Panel	2009-2011
Member	Cockrell School of Engineering Awards Committee	2011-2014, 2015-2016, 2019-2020
Chair	Selection Committee for the School nominee for the Academy of Distinguished Teachers	2011, 2012
Member	Selection Committee for the School nominee for the Academy of Distinguished Teachers	2013, 2014, 2015
Faculty Advisor	Tau Beta Pi Engineering Honor Society	2011-2016
Member	Selection Committee for the Billy & Claude R. Hocott Distinguished Centennial Engineering Research Award	2015
Chair	Cockrell School of Engineering Awards Committee	2016-2017
Member	Good Systems Executive Committee (GSET), Good Systems Grand Challenge Theme, Bridging Barriers	2018-Present
Member	Transportation Policies Committee	2019-Present

## PROFESSIONAL SOCIETY AND MAJOR GOVERNMENTAL COMMITTEES:

### International

Member	Editorial Advisory Board, <i>Transportation Research-Part B</i>	1993-2003
Newsletter Editor	International Association for Travel Behavior Research	1994-1999
Member	International Scientific Committee for 1997 International Association for Travel Behavior Meeting, Austin, Texas	1995-1997
Member	Editorial Review Board of the <i>International Journal of Operations and Quantitative Management</i>	1995-2010
Board Member	International Association for Travel Behavior Research	1995-2011
Member	International Steering Committee for the 2000 International Association for Travel Behavior Meeting, Sydney, Australia	1997-2000
Member	Editorial Advisory Board of <i>Transportation</i>	1998-2012
Secretary and Treasurer	International Association for Travel Behavior Research	2000-2004
Member	Sustainable Transportation Analysis and Research (STAR) Network	2000-Present
Member	International Steering Committee for 2003 International Association for Travel Behavior Meeting, Lucerne, Switzerland	2001-2003
Member	International Organizing Committee for 2004 Conference on Progress in Activity-Based Analysis, Maastricht, The Netherlands	2003-2004
Member	International Scientific Steering Committee for the 2004 Transport Science and Technology Congress held in Athens, Greece	2003-2004
Vice-Chair	International Association for Travel Behavior Research	2004-2005
Assoc. Editor	<i>Transportation Research - Part B</i>	2004-2018

Member	International Steering Committee for 2006 International Association for Travel Behavior Meeting, Kyoto, Japan	2005-2006
Member	Board of Advice, Institute of Transport and Logistics Studies (ITLS), The University of Sydney	2005-Present
Vice President	Association of Transportation Professionals of Indian Origin (ATPIO)	2006-2007
Chair	International Association for Travel Behavior Research	2006-2007
Conference Co-Organizer	2009 International Association for Travel Behavior Research Meeting, held in Jaipur, India, December 2009	2007-2009
Member	Editorial Board of <i>Transportation Letters: The International Journal of Transportation Research</i>	2007-Present
Member	International Scientific Committee for Time Use Observatory Workshop (TUO), Santiago, Chile, Jan 2009; Second Time Use Observatory Workshop (TUO 2), San Felipe, Chile, March 2010; Third Time Use Observatory Workshop (TUO 3), Santiago, Chile, March 2012; Fourth Time Use Observatory Workshop (TUO 4), Marchigüe, Chile, May 2014, and Fifth Time Use Observatory Workshop (TUO 5), Termas de Jahuel, Chile, March 2017.	2008-2014; 2016-2017
Member	Editorial Advisory Board of <i>Journal of Choice Modelling</i>	2008-Present
Member	Association of Transportation Professionals of Indian Origin (ATPIO)	2008-Present
Member	International Steering Committee for Travel Survey Conferences (ISCTSC)	2008-Present
Session Track Organizer	Track D1: Travel Demand Modeling, 12th World Conference on Transport Research (WCTR), Lisbon, Portugal, July 2010	2009-2010
Member	International Steering Committee for the First International Symposium on Advances in Transport Sustainability (ISATS2010), held November 17-19, 2010, Tempe, AZ	2010-2011
Member	International Advisory Committee for the 1st Conference of Transportation Research Group of India (CTRG), held December 7-10, 2011, Bangalore, India	2011-2012
Session Track Organizer	Track D1- Travel Demand Models: Econometric Methods, 13th World Conference on Transport Research (WCTR), Rio de Janeiro, Brazil, 2013	2011-2013
Member	Editorial Board of <i>EURO Journal on Transport and Logistics</i>	2011-Present
Member	Scientific Committee for 10 <sup>th</sup> World Congress of the RSAI, Ayutthaya, Thailand, May 26-30, 2014 (cancelled due to coup in Thailand)	2013-2014
Guest Editor	<i>Transportation Research - Part A</i> special issue entitled "Emerging Data and Methodological Considerations in Time-Use Analysis", Volume 76, June 2015	2013-2015
Conference Co-Chair	Fourth International Choice Modeling Conference (ICMC) May 10-13, 2015 in Austin, TX	2013-2015

Assoc. Editor	<i>Analytic Methods in Accident Research</i>	2013-Present
Consulting Editor	<i>Travel Behaviour and Society</i>	2013-Present
Session Track Organizer	Topic Area D: Travel Demand, 14th World Conference on Transport Research (WCTR), Shanghai, China, 2016	2013-2016
Member	World Conference on Transport Research Society (WCTRS) Scientific Committee (SCC)	2013-Present
Member	Advisory Committee for International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2014), held December 2014, Mumbai, India	2014
Member	Editorial Board of <i>Transportation in Developing Economies, A Journal of the Transportation Research Group of India (TRG)</i>	2014-Present
Member	Scientific Committee for Urban Freight and Behavior Change (URBE) Conference, held Oct 1-2, 2015, Roma Tre University, Rome, Italy	2015
Guest Editor	<i>Journal of Choice Modelling</i> , special issue for the Fourth International Choice Modeling Conference (ICMC 2015), held May 2015 in Austin, TX. Volume 24, September 2017	2015-2017
Member	Advisory Committee for International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2016), held December 2016, Mumbai, India	2016
Member	Jury for the International Association for Travel Behavior Research (IATBR) Lifetime Achievement Award	2017-2018
Section Editor	Transport Modelling and Data Management section for Elsevier's <i>International Encyclopedia of Transportation</i>	2018-Present
Editor-in-Chief	<i>Transportation Research - Part B</i>	2019-Present
Assoc. Editor	<i>Transportation Research Interdisciplinary Perspectives (TRIP)</i>	2019-Present
Assoc. Member	Technical Committee TCT-D01: Travel Behavior and Transport Demand, Transportation Research Group of India (TRG)	2019-Present

## National

Member	Transportation Research Board Committee on Traveler Behavior and Values (ADB10)	1992-2008
Member	Transportation Research Board Committee on Transportation Demand Forecasting (ADB40)	1994-2001, 2007-2015
Member	Transportation Research Board Committee on Telecommunications and Travel Behavior (ADB20)	1995-2009
Chair	Transportation Research Board Sub-Committee on Emerging Methodological Developments in Urban Activity and Travel Analysis (ADB40-1)	1998-2001
Member	Transportation Policy Analysis and Systems Monitoring Team of the FHWA Research and Technology Forum	2000-2003

Chair	Transportation Research Board Committee on Transportation Demand Forecasting (ADB40)	2001-2007
Member	American Society of Civil Engineers (ASCE)	2001-Present
Member	Transportation Research Board Committee for a Review of Travel Demand Modeling by the Metropolitan Washington Council of Governments	2003-2004
Member	Transportation Research Board Task Force on Moving Activity-Based Approaches to Practice (ADB60T)	2003-2008
Member	Transportation Research Board Task Force on Innovations in Freight Transportation Modeling (AT016T)	2003-2007
Member	Transportation Model Improvement Program (TMIP) Peer Review Panel for the Southern California Association of Governments (SCAG)	2003-2007
Member	Institute for Operations Research and the Management Sciences (INFORMS)	2003-2015
Member	Planning Committee for the National Household Travel Survey Conference, sponsored by Transportation Research Board and Bureau of Transportation Statistics, held in Washington D.C., November 2004.	2004
Member	National Research Council's Committee on Guidelines for the Humane Transportation of Laboratory Animals	2004-2006
Member	Metropolitan Transportation Commission (MTC) Travel Model National Peer Review Panel	2004-2006
Member	TMIP Web Working Group (TWWG) for the Travel Model Improvement Program Clearinghouse	2004-Present
Member	San Diego Association of Governments (SANDAG) National Model Peer Review Panel	2005-2006
Member	Transportation Model Improvement Program (TMIP) Peer Review Panel for the North Jersey Regional Transportation Model Enhancement Project (NJRTME)	2005-2006
Co-Chair	Transportation Research Board Committee on Innovations in Travel Demand Modeling: A Conference (ADB99A), held in Austin, TX, May 2006	2005-2006
Member	Calgary Regional Travel Model (RTM) Peer Review Panel	2006-2007
Member	Transportation Model Improvement Program (TMIP) Peer Review Panel for St. Louis	2006-2007
Co-Chair	Transportation Research Board Committee on Transportation Education and Training (ABG20)	2007-2014
Member	Institute of Transportation Engineers (ITE)	2007-Present
Member	Eisenhower National Doctoral Review Panel, Universities & Grants Programs, Federal Highway Administration	2009
Member	National Cooperative Highway Research Program (NCHRP) Project Panel 20-86	2009-2011
Member	Transportation Research Board Special Committee for Travel Forecasting Resources (ADB45)	2010-2019

Member	American Road & Transportation Builders Association (ARTBA)	2010-Present
Member	Research and Education Division Board of Directors, American Road & Transportation Builders Association (ARTBA)	2010-Present
Member	New York Metropolitan Transportation Council Peer Review Panel	2011
Member	Chattanooga-Hamilton County Regional Planning Agency Peer Review Panel	2011
Member	Planning Committee, Council of University Transportation Centers (CUTC) National Transportation Workforce Summit, held April 24-26, 2012, Washington DC	2011-2012
Member	Institute of Transportation Engineers Burton W. Marsh Graduate Fellowship Selection Committee	2011, 2014, 2015
Member	World Society for Transport and Land Use Research (WSTLUR)	2011-2016
Member	Institute of Transportation Engineers 2012 Fellowship and Scholarship Awards Selection Committee	2012
Member	Transportation Research Board Task Force on Mastering the Management of Transportation Research and Training Program (Ahead-of-the-Curve) (ABG05T)	2013-2016
Co-Leader	Curriculum Task Team, TRB Ahead-of-the-Curve	2013-2016
Member	Research Education and Training Reauthorization Coalition (RETRC)	2014-2016
Member	Executive Committee of the Council of University Transportation Centers (CUTC): Treasurer, 2018-2019; Vice-President, 2019-present.	2014-Present
Member	American Statistical Association	2015-2016
Member	Transportation Research Board Committee on The Role of Automated and Connected Vehicles: The 9th University Transportation Center Spotlight Conference (AHB99A)	2015-2016
Chair	Transportation Research Board Travel Analysis Methods Section (ADB00)	2015-Present
Vice President	Research and Education Division Board of Directors, American Road & Transportation Builders Association (ARTBA)	2015-2016
President	Research and Education Division Board of Directors, American Road & Transportation Builders Association (ARTBA)	2016-2017
Chair	External Review Committee for a new technology-enhanced infrastructure program in Civil Engineering at Texas State University	2017
Member	National Science Foundation CMMI-CIS Transportation Proposal Review Panel	2017-2018

Member	Conference Planning Committee for the 7 <sup>th</sup> Innovations in Travel Modeling Conference, June 2018, Atlanta, GA, organized by the Transportation Research Board	2017-2018
Member	Steering Committee for the 15th International Conference on Travel Behaviour Research, July 2018, Santa Barbara, CA, organized by the International Associate for Travel Behaviour Research (IATBR)	2017-2018
Member	Planning Committee for breakout session entitled “What We Know: Evidence-based Behavioral Studies of Impacts of Automated Vehicle Systems” (Session #28), Automated Vehicles Symposium 2018, July, San Francisco, CA	2017-2018
Member	Connected and Autonomous Vehicle Impacts Committee, Transportation & Development Institute (T&DI), ASCE	2017-Present
Member	Board of the Transportation & Development Institute (T&DI), ASCE	2017-Present
Member	National Academies/TRB Forum on Preparing for Automated Vehicles and Shared Mobility (E0005A)	2017-Present
Member	ASCE Transportation and Development Institute’s Engineering Smart “X” (ESX) Task Force to establish ASCE smart city standards	2019-Present
Member	ASCE Transportation and Development Institute’s Mobility Energy Productivity (MEP) Standards Committee	2019-Present

## **PUBLICATIONS:**

- 226 refereed journal publications (published or forthcoming).
- ISI Thomson Reuters Web of Science Database Citations: 9,882 (h-index of 55).
- Google Scholar Database Citations: 26,042 (h-index of 87).
- Two books, 28 book chapters, over 185 technical reports and conference proceedings.

**ORAL PRESENTATIONS:** Over 750 presentations at national and international conferences.

## **SELECTED MEDIA EVENTS:**

### *Television Stories*

Interviewed by Paul Serrell on commuter survey, KEYE News, 12/9/03; Interviewed by Dan Robertson on commuter survey, KXAN News, 10/11/04; Interviewed by Paul Serrell: Update on commuter survey, KEYE News, 10/31/04; Interviewed by Susie Cohen on children’s fitness, KXAN News, 1/20/06; Interviewed by Hermelinda Vargas on alternative fuels, News 8 Austin, 2/1/06; Interviewed by Megan Fleetwood on seat belt safety, KVR-TV, 4/20/06; Interviewed by Michael Mendoza on auto dependency issues, KVUE News, 4/24/06; Interviewed by Arezow Doost on Self magazine’s claim that Austin has some of the most dangerous roads in the country, FOX 7 Austin, 2/27/07; Interviewed by Doug Shupe on teen aggressive driving, KXAN News, 10/28/10; Interviewed by Lia Pette on teen aggressive driving, FOX 7 Austin, 11/9/10; Interviewed by Keri Bellacosa on teen aggressive driving, FOX 7 Good Day Austin, 11/23/10; Interviewed by Shelton Green on intersection crashes, KVUE News, 12/21/11; Interviewed by Jenni Lee on intersection crashes, FOX 7 Austin, 12/26/11; Engineer surveys crossing of deadly north Austin train accident, KEYE News, 5/1/12; Symposium Discusses Future of Connected Cars, Time Warner Cable News, 3/2/15; Interviewed by

Tyler Sieswerda on autonomous vehicles, KVUE News, 7/14/15; Interviewed by Tyler Sieswerda on autonomous vehicle cybersecurity, KVUE News, 8/4/15; Fatality crashes also come with high financial cost, KEYE TV, 8/19/15; Interviewed by Robert Maxwell on low ground railroad crossing safety, KXAN News, 3/8/17; Interviewed by Elizabeth Jeneault on infrastructure challenges and small business impacted by Hurricane Harvey, Spectrum News, In Focus, 10/8/17; Texas implements law to allow self-driving cars to flourish, KXAN News, 2/8/18; As The Domain catches eyes of developers, traffic congestion concerns grow, KXAN News, 2/16/18; Why you shouldn't expect those scooters to disappear any time soon, KXAN News, 4/26/18; Texas bullet train one step closer to reality with \$300M loan, KXAN News, 9/17/18; Dozens of Austin school zones don't cover campus perimeters, KVUE News, 11/4/19.

### ***Newspaper Articles***

Study will examine effects of Sept. 11 on travel habits, *The Daily Texan*, 9/11/03; Travel after 9/11 to be studied, *Austin American-Statesman*, *Higher Education*, 9/12/03; UT researcher to study Austin workers' travel patterns, *Austin Business Journal*, 12/2/03; Associate professor awarded Engineering Research Prize, *The Daily Texan*, 6/8/04; Support sought for new rail plan: Capital Metro prepares voters for November election, *The Daily Texan*, 6/29/04; Commuter study supports plan to ease Austin's traffic, *Austin Business Journal*, 10/6/04; Professor recommends transportation strategy, *The Daily Texan*, 10/12/04; Just for the fun of it, *Los Angeles Times*, Health Section, 1/23/06; Plenty of ways to keep kids active, *The Arizona Republic*, 3/7/06; City gets street-smart about bikes, *The Austin Chronicle*, News Section, 4/6/07; Survey says: Safer roads for cyclists, *Austin American-Statesman*, 4/16/07; State recorded license plates as part of transportation study, *The Dallas Morning News* and *Houston Chronicle*, 10/10/07; 'Big Brother' might have seen your car, *San Antonio Express-News*, 11/10/07; Drivers slow down as costs accelerate, *USA Today*, 6/23/08; Traffic fatalities decrease 10% this year, *USA Today*, 12/12/08; Less driving a factor in fewer traffic fatalities, *Watertown Daily Times*, 12/13/08; Austin cyclists feel safer than those elsewhere in Texas, *Austin Business Journal*, 12/15/08; Survey: People think biking is dangerous, *Austin American-Statesman*, 12/16/08; Youths tend to drive aggressively, *The Daily Texan*, 10/16/09; Suddenly, driving is far safer, *The Ottawa Citizen*, 2/5/10; Ten local streets rank among worst-congested in state in TxDOT report, *The Daily Texan*, 9/3/10; Traffic deaths decline sharply in Texas; safer young drivers credited, *The Dallas Morning News*, 9/16/10; Teens may have driven big drop in Texas traffic deaths in '09, *The Dallas Morning News*, 9/16/10; Teen drivers and pickup trucks, a bad mix? What you drive, not just how, makes a difference, new study shows, *ABC News.com*, 10/13/10; Study says pickups aren't safer than sedans for teen drivers, *San Antonio-Express News*, 10/17/10; Study finds teens, trucks a risky duo. Among the surprises? Big vehicles have a safety drawback: big engines, *Houston Chronicle*, 10/18/10; Teens & trucks-A dangerous combination, *Newschannel 6 Wichita Falls*, 10/21/10; Teen drivers and pickups: The bigger, the better? Not necessarily..., *Chicago Tribune* and *LA Times*, 10/25/10; Austinites pass bond to improve transportation, *The Daily Texan*, 11/3/10; Teen pickup drivers double risks of severe injury in crash, UT study finds, *The Dallas Morning News*, 11/21/10; Study shows teenage drivers, pickups a dangerous mix, *Fort Worth Star-Telegram*, 11/22/10; City to install car plug-in stations at civic buildings, *The Daily Texan*, 11/22/10; A deadly year on Ottawa's roads. Roads remain much safer than during the '80s and '90s, *The Ottawa Citizen*, 12/29/10; More crashes at intersections with flashing lights, *Yahoo! News*, *Bloomberg Businessweek*, *MSNBC.com*, *KENS 5 San Antonio*, *KEYE TV Austin*, 12/19/11; Frontage roads have more crashes, *KXAN News*, 12/21/11; Blinking lights make intersections more dangerous, UT study shows, *KENS 5 San Antonio*, 12/22/11; 'Imagine Austin' plan hopes to overhaul Austin, *The Daily Texan*, 6/17/12; Toll roads toss the coins for electronic methods, *The Washington Post*, 11/16/12; In the midst of Distractive Driving Awareness Month, almost half of commuters said they texted while behind the wheel, *The Daily Texan*, 4/8/13; Travis County: UT gets \$1.7 million to study traffic woes, *Austin American-Statesman*, *Community News*, 10/24/13; Here's what traffic will look like in 2020 (it's not pretty), *Huffington Post*, 1/14/14; Driverless cars may be an



environmental disaster, *The Week Magazine, Speed Reads*, 3/11/14; Automakers say they'll begin selling cars that can drive themselves by the end of the decade, *The Miami Herald*, 3/16/14; Automakers say self-driving cars are on the horizon, *Tampa Bay Times*, 3/21/14; Florida gearing up for driverless cars, *Bradenton Herald*, 3/24/14; We're on the road to a driverless future, *Minnesota Daily*, 4/28/14; Could driverless cars render public transit obsolete?, *SmartPlanet*, 5/2/14; Look Ma, No Hands, *Earth Talk*, 5/31/14; Getting off the road, *The Austin Chronicle*, 6/27/14; Doolittle: Want more to use public transit? Make pit stops possible, *Austin American-Statesman*, 8/9/14; The future could work, if we let it, *The New York Times*, 8/27/14; New York City lowers speed limit to 25 mph. Experts say enforcement needed for restrictions to reduce traffic deaths, *The Wall Street Journal*, 11/6/14; Cities target elevated levels of pedestrian deaths. Safety initiatives cut speed limits, add countdown clocks at crosswalks, *The Wall Street Journal*, 12/19/14; Drivers, non-motorists must work to reduce fatality rate, *Fort Worth Star Telegram*, 3/18/15; Forum: Road rights and responsibilities, *Corpus Christi Caller Times*, 3/20/15; TxDOT Moving Past the Highway, Albeit Slowly, *Houston Chronicle*, 5/1/15; Rise in pedestrian traffic fatalities signals need for emphasis on safe roadways, *The Daily Texan*, 10/10/15; Should vehicle-related deaths be part of the gun control debate? *Austin American-Statesman*, 11/1/15; What the World Will Look Like Without Drivers, *Newsweek, Tech & Science*, 1/14/16; Driverless cars will improve our cities, our stress levels and our waistlines, *Australian Financial Review*, AFR Weekend, 2/6/16; Texas could solve transportation problems for the U.S., *Fort Worth Star Telegram*, 5/11/16; Texas can be lab to solve traffic issues, *Waco Tribune-Herald*, 5/13/16; Commentary: How Texas could solve our nation's transportation problems, *Austin American-Statesman* and *McAllen Monitor*, 5/15/16; Texas can help solve U.S. transportation woes, *Houston Chronicle*, 5/17/16; Duthie and Bhat: Texas could be an incubator to solve national transportation problems, *The Dallas Morning News*, 5/19/16; Texas can help solve nation's transportation ills, *San Antonio Express News*, 5/21/16; Why self-driving cars will probably still have steering wheels, *MarketWatch*, 5/27/16; Can Uber and Lyft Save Carpooling?, *Stateline, Pew Charitable Trusts*, 8/26/16; PAC: Austin plans to cut 27-plus car travel lanes to make way for buses, bikes, *PolitiFact Texas*, 10/28/16; Clock is ticking for Austin road planners after Prop 1 passes, *Austin Business Journal*, 11/9/16; Autonomous cars to hit Texas roads, *The Daily Texan*, 2/16/17; Automatic for the people: See Austin autonomous shuttle demo March 16-17, *Community Impact Newspaper*, 3/16/17; It's Not Easy Going Green, *Texas Monthly*, 8/10/17; The Indian scientific invasion, *The Week Magazine India*, 12/24/17; Austin's role in the rise of autonomous vehicles, *Austin American-Statesman*, 1/2/18; Austin plans to put more self-driving cars on the road, *The Daily Texan*, 3/6/18; Wear: Arizona death put road testing of robo-cars in the spotlight, *Austin American-Statesman*, 3/26/18; Electric, self-driving buses coming to Austin, *The Daily Texan*, 8/7/18; Deutschland calling. Research alumni conference in Boston awakes interest for Germany, *TU intern*, October-November 2018.

### **Radio Interviews**

Interviewed by Steven Cuevas on commuter survey, KUT Radio, 12/4/03; Interviewed by Larry Schooler on commuter survey, KUT Radio, 9/13/04; Interviewed on results of commuter survey, KLBJ Radio, 10/7/04; Participant in live panel discussion on drivers taking alternative routes to avoid high traffic areas and how navigation tools are changing driver mentality, KNPR Nevada Public Radio, Las Vegas, 6/1/06; Interviewed by Dave Bernstein on increased air passenger traffic at Austin Bergstrom airport and impacts on the airport infrastructure, KUT Radio, 11/6/06; Interviewed by Crystal Chavez on changes in travel patterns since 9/11, KUT Radio, 9/10/07; The Flattening of the World: People and Ideas in Motion (Dr. Bhat was a panelist in Leadership Austin's 2007-2008 Engage Speaker Series for November), KUT Radio, 11/16/07; Interview by Scott Braddock and Mitch Carr on teen aggressive driving, Newsradio 1080 KRLD, Dallas, 11/22/10; Interviewed by Larry Krantz on teen aggressive driving, "Study: Teens, Trucks and Aggressive Driving a Deadly Combination," for TxDOT Statewide Podcast, 12/3/10; Interviewed on gas prices remaining high, KUT Radio, 3/8/11; Interviewed about

flashing lights at intersections, KLBJ Radio, 12/19/11; Interviewed about flashing lights at intersections, NPR, 12/19/11. Interviewed on How Driverless Cars Could Change the Way We Travel, interview by Kate McGee, KUT Radio, 3/10/14; Study Shows the Youngest Drivers are the Most Aggressive, Houston Public Media, 5/23/14; Interviewed by Garland Robinette on the future of driverless cars, WWL Radio, New Orleans, 9/2/14; "Views & Brews" program - invited to speak on a transportation panel to discuss the past, present and future of transportation in Austin, KUT Radio, 10/14/14; Interviewed again by Garland Robinette on the future of driverless cars, WWL Radio, New Orleans, 4/7/15; Future of Driverless Cars Probed, Newsradio KLBJ, 8/5/15; UT Probes the Dark Side of Driverless Vehicle, Newsradio KLBJ, 8/9/15; UT Austin/Google Working Together to Test Driverless Cars in Austin, Newsradio 1200 WOAI, 8/10/15; Interviewed by Andy Uhler on regulation of self-driving cars, "Figuring out how to regulate self-driving cars," Marketplace Radio, 1/13/16; Interviewed by Paul Flahive on driverless vehicles, "San Antonio and Southwest Research in Favored Position as Driverless Cars Develop," Texas Public Radio, 1/26/17; Researchers weigh self-driving vehicle benefits and offsets, Newsradio KLBJ 590AM & 99.7FM, Texas News, 3/5/17; Dr. Bhat invited to speak on the topic of "Autonomous Vehicles in Insurance", The Future of Insurance Podcast Series, Argo Group, 11/6/17.