

Documentation

of

Chester G. Wilmot, P.E., Ph.D.

Professor

Department Of Civil And Environmental

Engineering

Louisiana State University

Amended 09/04/2019

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1. DOCUMENTATION

1.1 History of Assignments

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Dr. Wilmot began his tenure-track employment in the Department of Civil and Environmental Engineering at Louisiana State University as an Associate Professor in August of 2000. Prior to this appointment, he was employed as a Research Associate Professor in the Department of Civil and Environmental Engineering at Louisiana State University from 1993-2000. Dr. Wilmot is fully funded by the Louisiana Transportation Research Center at Louisiana State University.

Additional assignments prior to joining Louisiana State University are listed below:

1. Partner, Transportation Research Consultancy CC, South Africa, 1989-1993.
2. Professor, Civil Engineering, Rand Afrikaans University, South Africa, 1985-1989.
3. Research Officer, National Institute for Transport and Road Research, CSIR, South Africa, 1983-1984.
4. Ph.D. student, Northwestern University, Evanston, 1978-1983.
5. Research Officer, National Institute for Transport and Road Research, CSIR, South Africa, 1973-1978.
6. Engineer, Liebenberg and Jenkins, Consulting Civil Engineers, South Africa, 1972-1973.
7. Masters student, University of California, Berkeley, 1971-1972.
8. Engineer-in-training, Liebenberg and Jenkins, Consulting Civil Engineers, South Africa, 1968-1970.
9. B.S. Civil Engineering student, Pretoria University, South Africa, 1964-1967.
10. Technician Draftsman, Transvaal Roads Department, South Africa, 1960-1963.

1.2 Teaching

1.2.1 Documentation of Teaching Activities

1.2.1.1 Teaching Evaluations

Summary Table for Student Evaluations at LSU (evaluations on a 4.0 scale, overall evaluations reported)

Course	Semester taught	Enrollment	Instructional Technique	Instructional Support Effort	Overall Effectiveness
CE 7600	Spring 2019	4			4.93/5
CE 7640	Fall 2018	7	-	-	4.91/5
CE 7641	Spring 2018	6	3.31	3.21	3.33
CE 3600	Fall 2017	67	2.91	2.97	2.75
CE 7600	Spring 2017	5	4.00	4.00	4.00
CE 7621	Fall 2016	8	3.98	3.97	4.00
CE 7641	Spring 2016	12	3.70	3.67	3.82
CE 7640	Fall 2015	12	3.87	3.96	3.91
CE 7600	Spring 2015	10	3.87	3.92	4.00
CE 7621	Fall 2014	11	3.82	3.84	3.91
CE 7641	Spring 2014	5	4.00	4.00	4.00
CE 7640	Fall 2013	12			3.92
CE 7600	Spring 2013	10			3.92
CE 7621	Fall 2012	7			3.88
CE 7641	Spring 2012	8			3.88
CE 7640	Fall 2011	8			3.94
CE 7600	Spring 2011	9			3.94
CE 7641	Spring 2010	5			3.17
CE 7640	Fall 2009	12			
CE 4750	Spring 2009	41			
CE 4750	Fall 2008	33			
CE 7641	Spring 2008	10	3.90	3.78	4.0
CE 4750	Spring 2008	30	3.10	2.89	2.88
CE 7640	Fall 2007	8	3.83	3.88	3.83
CE 4750	Fall 2007	40	2.99	2.82	2.94
CE 7600	Spring 2007	8	3.79	3.79	3.86
CE 4750	Spring 2007	41	3.07	3.09	3.15
CE 7621	Fall 2006	7	4.00	3.95	4.00
CE 4750	Fall 2006	13	2.24	2.03	1.89
CE 7641	Spring 2006	9	3.72	3.82	3.71
CE 7640	Fall 2005	10	3.83	3.92	3.89
CE 2730	Spring 2005	28	2.78	2.87	2.67
CE 7621	Fall 2004	7	3.67	3.75	4.00
CE 2730	Fall 2004	36	2.16	2.43	1.68

CE 7600	Spring 2004	9	3.88	3.88	3.75
CE 2730	Spring 2004	35	2.73	2.64	2.40
CE 7641	Fall 2003	11	3.98	3.91	4.00
CE 7621	Spring 2003	9	3.70	3.53	4.00
CE 7640	Fall 2002	12	3.44	3.60	3.67
CE 7600	Spring 2002	10	3.64	3.54	3.86
CE 7641	Fall 2001	7	3.83	3.58	3.60
CE 7640	Spring 2001	5	3.97	3.93	4.00
CE 7621	Spring 2001	5	3.97	3.93	4.00
CE 7610	Fall 2000	7	3.86	3.93	3.86
CE 7640	Spring 1999	7	3.60	3.50	3.43
CE 7621	Spring 1998	6	3.59	3.42	3.62
CE 7621	Fall 1995	7	3.62	3.46	3.67
CE 7600	Spring 1994	13	3.61	3.43	3.36

1.2.1.2 Teaching History

1.2.1.2.1 Courses taught

(a) At LSU

Course number	Course title	Semester	Enrollment
CE 2730	Computational Methods in Civil Engineering	Spring 2005	28
		Fall 2004	36
		Spring 2004	35
CE 3600	Principles of Highway and Traffic Engineering	Fall 2017	67
CE 4750	Professional Issues and Concept Design in Civil Engineering	Spring 2009	41
		Fall 2008	33
		Spring 2008	30
		Fall 2007	40
		Spring 2007	41
CE 7621	Mass Transit Systems	Fall 2006	13
		Fall 2016	8
		Fall 2014	11
		Fall 2012	7
		Fall 2006	7
		Fall 2004	7
		Spring 2003	9
Spring 2001	5		
Spring 1998	6		
Fall 1995	7		

CE 7640	Urban Transportation Policy and Planning	Fall 2018	7
		Fall 2015	12
		Fall 2013	12
		Fall 2011	8
		Fall 2009	12
		Fall 2007	8
		Fall 2005	10
		Fall 2002	12
		Spring 2001	5
		Spring 1999	7
CE 7600	Transportation Engineering Data Collection Methods	Spring 2019	4
		Spring 2017	5
		Spring 2015	10
		Spring 2013	10
		Spring 2011	9
		Spring 2007	8
		Spring 2004	9
		Spring 2002	10
		Spring 1994	13
CE 7641	Urban Transportation Planning Models	Spring 2018	12
		Spring 2016	12
		Spring 2014	5
		Spring 2012	8
		Spring 2010	5
		Spring 2008	10
		Spring 2006	9
		Fall 2003	11
Fall 2001	7		
CE 7610	Traffic Operations and Control	Fall 2000	7

(b) At Rand Afrikaans University, South Africa

Course number	Course title	Semester	Enrollment
VIW 1	Transportation Engineering 1	Spring 1989	7
		Spring 1988	11
		Spring 1987	7
		Spring 1986	-
		Spring 1985	11
VIW 2	Transportation Engineering 2	Fall 1989	?
		Fall 1988	7
CE 8001	Transport in South Africa	Fall 1988	3
		Fall 1987	3

		Fall 1986	5
CE 8002	Transportation Engineering	Fall 1988	1
		Fall 1987	4
		Fall 1986	4
CE 8003	Transportation Planning	Spring 1988	5
		Spring 1987	3
		Spring 1986	5
CE 8005	Statistics for Transportation	Fall 1988	4
CE 8009	Transportation Design	Spring 1988	5
		Spring 1987	4
		Spring 1986	4

1.2.1.2.2 New courses developed

(a) At LSU

1. CE 2730: Computational Methods in Civil Engineering
2. CE 4750: Professional Issues and Concept Design in Civil Engineering.
3. CE 7621: Mass Transit Systems.
4. CE 7600: Transportation Engineering Data Collection Methods.
5. CE 7610: Traffic Operations and Control.

(b) At Rand Afrikaans University, South Africa

1. VIW1: Transportation Engineering 1. Junior-level undergraduate required course.
2. VIW2: Transportation Engineering 2. Senior-level undergraduate required course.
3. CE 8001: Transportation in South Africa. Graduate course.
4. CE 8002: Transportation Engineering. Graduate course.
5. CE 8003: Transportation Planning. Graduate course.
6. CE 8009: Transportation Design. Graduate course.

1.2.1.2.3 Graduate committees: chair or member

(a) At LSU

Student	Degree	Dept	Graduation	Thesis/Diss.	Advisor role
Saurabha Bawankula	M.S.	CEE	S19	Report	Chair
Saba Doulabi	M.S.	CEE	In progress	Thesis	Chair
Nafiur Rahman	M.S.	CEE	In progress	Thesis	Member
Xuan Kuai	Ph.D.	GEOG	In progress	Dissertation	Member
Mishuk Majumder	M.S.	CEE	In progress	Thesis	Chair
Nelida Herrera	Ph.D.	CEE	F18	Dissertation	Member
Divya Kolasani	M.S.	CEE	S19	Thesis	Chair
Haggai Davis III	M.S.	CEE	S19	Thesis	Chair
Saleh Mousa	Ph.D.	CEE	F18	Dissertation	Co-chair
Peter Bakhit	Ph.D.	CEE	F18	Dissertation	Co-chair
Srishti Adhikaree	M.S.	ECE	F18	Report	Member
Sogand Karbalaieili	Ph.D.	CEE	F18	Dissertation	Co-chair
Zia Zihan	M.S.	CEE	In progress	Thesis	Member
Zobair Bashar	M.S.	CEE	F18	Thesis	Member
Renato Coutinho	Ph.D.	PE	Sum18	Dissertation	Member
Vamshi Peddisetty	M.S.	CEE	S18	Thesis	Chair
Efe Tuncer	M.S.	CEE	S18	Thesis	Member
Siavash Shojaat	Ph.D.	CEE	F17	Dissertation	Member
Ruijie Bian	Ph.D.	CEE	F17	Dissertation	Chair
Allen Mutoni	M.S.	IE	F17	Thesis	Member
Matthew Theriot	M.S.	CEE	S17	Thesis	Member
Grace Ashley	M.S.	CEE	S18	Thesis	Member
Yujie Hu	Ph.D.	GEOG	S16	Dissertation	Member
Nafiseh Farhadi	M.S.	CEE	S16	Thesis	Member
Nelida Herrera	M.S.	CEE	F15	Thesis	Member
Syndney Jenkins	M.S.	CEE	F15	Thesis	Member

Maryam Mousavi	M.S.	CEE	F15	Thesis	Member
Osama Osman	Ph.D.	CEE	F15	Dissertation	Member
James Dillard	M.S.	CEE	S15	Thesis	Member
Scott Parr	Ph.D.	CEE	S15	Dissertation	Member
Julius Codjoe	Ph.D.	CEE	F14	Dissertation	Member
Bridget Robicheaux	M.S.	CEE	F14	Thesis	Member
Raju Thapa	M.S.	CEE	Sum14	Thesis	Member
Aditya Mokkupati	M.S.	CEE	S14	Thesis	Chair
Alaa Shams	M.S.	CEE	S14	Thesis	Chair
Gustavo Rojas	Ph.D.	ECE	S14	Dissertation	Member
Jose Rodriguez	M.S.	CEE	S14	Thesis	Member
Wan Li	M.S.	CEE	S14	Thesis	Member
Saif Al-Qaisi	Ph.D.	Eng. Sc.	S13	Dissertation	Member
Meisam Akbarzadeh	Ph.D.	CEE	F12	Dissertation	Chair
Amber Russell	Ph.D.	MAT H	S12	Dissertation	Member
Danhong Cheng	M.S.	CEE	F12	Thesis	Member
Yoonseok Chung	Ph.D.	CEE	S12	Dissertation	Member
Ravindra Gudishala	Ph.D.	CEE	F11	Dissertation	Chair
Guangxiang Cheng	Ph.D.	CEE	S10	Dissertation	Chair
Anzhelika Antipova	Ph.D.	GEOG	S10	Dissertation	Member
Hong Zhang	Ph.D.	CEE	S10	Dissertation	Chair
Mini Radhakrishnan	M.S.	CEE	S 10	Thesis	Chair
Melanie Grigsby	M.S.	CEE, UF	F 09	Thesis	Member
Meisam Akbarzadeh	M.S.	CEE	Sum 09	Thesis	Chair
Cherian Korah	M.S.	CEE	Sum 08	Thesis	Chair

Kowndinya Pasupuleti	M.S.	CEE	S 08	Report	Chair
Yan Qi	M.S.	CEE	S 08	Report	Member
Vamshi Mudumba	M.S.	CEE	S 08	Thesis	Chair
Wakeel Idewu	M.S.	E.S.	F 07	Report	Member
Ciprian Alecsandru	Ph.D.	CEE	Sum 06	Dissertation	Member
Laurence Lambert	M.S.	CEE	Sum 06	Report	Member
Santosh Andem	M.S.	CEE	Sum 06	Thesis	Chair
Guntulu Hatipkarasulu	Ph.D.	IE	S 06	Dissertation	Member
Athira Jayadevan	M.S.	CEE	S 06	Thesis	Chair
Srividiya Vadlamani	M.S.	CEE	S 05	Thesis	Chair
Naveen Modali	M.S.	CEE	S 05	Thesis	Chair
Bin Chen	M.S.	CEE	S 05	Thesis	Chair
Nagajyothi Swargam	M.S.	CEE	F 04	Thesis	Member
Yan Zhang	M.S.	CEE	F 04	Thesis	Member
Guangxiang Cheng	M.S.	EXST	Sum 04	Special Report	Member
Haoqiang Fu	Ph.D.	CEE	S 04	Dissertation	Chair
Nandagopal Meduri	M.S.	CEE	S 04	Thesis	Chair
DeeAngela Kenon	M.S.	CEE	S 04	Thesis	Chair
Prashanth Kotha	M.S.	CEE	F 03	Thesis	Member
Srikanth Chakravarty	M.S.	CEE	F 03	Thesis	Member
Srinivas Varanasi	M.S.	CEE	F 03	Thesis	Chair
Fahmida Nilufar	M.S.	CEE	Sum 03	Thesis	Chair
Yu Yik Lim	M.S.	CEE	S 03	Thesis	Member
Gregoris Theodoulou	M.S.	CEE	S 03	Thesis	Member
Ciprian Alecsandru	M.S.	CEE	S 03	Thesis	Member
Mauricka McKenzie	M.S.	ES	F 02	Report	Member
Arun Prabhakaran	M.S.	ES	F 02	Report	Member

Yilmaz Karasulu	Ph.D.	CEE	F 02	Dissertation	Member
Bing Mei	M.S.	CEE	Sum 02	Thesis	Chair
Sirisha Kuthuri	M.S.	CEE	Sum 02	Thesis	Member
Yogesh Dheenadayula	M.S.	CEE	S 02	Thesis	Co-chair
Elba Urbina	M.S.	CEE	S 02	Thesis	Member
Balakiran Vadlani	M.S.	CEE	F 01	Report	Member
Shivaprasad Shivananjappa	M.S.	CEE	S 01	Thesis	Chair
Kalyan Koppineedi	M.S.	ES	S 01	Report	Member
Stephen Greaves	Ph.D.	CEE	F 00	Dissertation	Member
Oscar Porras	M.S.	CEE	F 00	Thesis	Member
Trisha Dudula	M.S.	CEE	F 00	Thesis	Member
Sastry Chundury	M.S.	CEE	S 00	Thesis	Member
Ratna Korepella	M.S.	CEE	F 99	Thesis	Member
Xinjia Chen	Ph.D.	ECE	F 99	Dissertation	Member
Guangxiang Cheng	M.S.	CEE	S 99	Thesis	Chair
Hasan Islam	M.S.	ES	S 99	Report	Member
Arun Krishnamurthy	M.S.	ES	S 98	Report	Member
John Davis	M.S.	CEE	F 97	Thesis	Member
Cesar Quiroga	Ph.D.	CEE	F 97	Dissertation	Member
Nitin Kamath	M.S.	CEE	F 96	Thesis	Member
Nicholas Ferlito	M.S.	CEE	F 96	Thesis	Member
Rajesh Chand	M.S.	ES	S 96	Report	Chair
Milita Chanda	M.S.	CEE	S 96	Thesis	Chair
Xiaoping Chen	M.S.	CEE	S 96	Thesis	Chair
Ravindra Gavini	M.S.	ES	S 96	Report	Member
Terrel Shaw	M.S.	CEE	S 96	Thesis	Member
Kedarnath Thoota	M.S.	ES	S 96	Report	Member

Manoj Madhavan	M.S.	ES	F 95	Report	Member
Srinivasa Vaikuntum	M.S.	ES	F 95	Report	Chair
Johann Sydow	Ph.D	OCS	F 95	Dissertation	Member
Surinam Gatti	M.S.	ES	F 95	Report	Member
Venkata Suripeddi	M.S.	ES	F 95	Report	Member
Sreenivas Checka	M.S.	ES	S 95	Report	Member
Ramana Vaderevu	M.S.	CEE	S 95	Thesis	Member
Shankar Nayak	M.S.	ES	S 95	Report	Member
Pankaj Sharma	M.S.	CEE	S 95	Thesis	Member
Radhika Reddy	M.S.	CEE	F 94	Thesis	Member

CEE - *Civil and Environmental Engineering*

ECS - *Electrical and Computer Engineering*

ES - *Engineering Science*

GEOG - *Geography and Anthropology*

OCS - *Oceanography and Coastal Sciences*

MATH - *Mathematics*

(b) At Rand Afrikaans University, South Africa

Student	Degree	Type	Dept.	Graduation	Advisor role
Chris Britz	M.S.	Thesis	CE	1990	Member
Lucas Sikiotis	M.S.	Thesis	CE	1990	Chair
Trevor Hardwick	M.S.	Thesis	CE	1989	Chair
Corlie Havenga	M.S.	Thesis	CE	1989	Member
Daan Wepener	M.S.	Thesis	CE	1989	Member
Rooth Kilbourn	M.S.	Thesis	CE	1989	Member
Pieter Kruger	M.S.	Thesis	CE	1988	Chair
Hannes van der Walt	M.S.	Thesis	CE	1988	Chair
Andre Bouwer	M.S.	Thesis	CE	1988	Chair
Dirk van Riet	M.S.	Thesis	CE	1987	Chair
Rudi Nel	M.S.	Thesis	CE	1987	Chair

Gerhard van der Linde	M.S.	Thesis	CE	1987	Chair
Frik Rheeder	M.S.	Thesis	CE	1987	Chair

1.2.1.2.4 Academic Advising

(a) At LSU

1. Undergraduate Academic Advisor, Department of Civil and Environmental Engineering, Spring 2001 – present. Advise 15-20 students per semester.
2. Freshman orientation and advising of incoming Civil and Environmental Engineering students, 2001 and 2016.

(b) At Rand Afrikaans University, South Africa

1. Undergraduate Civil Engineering. 1986-1988.

1.2.1.2.5 Undergraduate research and independent study projects advised

(a) At LSU

1. Bruns, Clarissa. 2018 (HONS 4000) *Effectiveness of Measuring Pedestrian and Bicycle Traffic Volumes Using Eco-Counter Passive Infrared Counting Technology*. Spring 2018.
2. Brazil, Winton. 2001 (CE 3740: Fall 2001). *Traffic Optimization of Airline Highway Using ITRAF CORSIM Software*. Presentation made to Louisiana DOTD engineers at DOTD Headquarters on December 7, 2001.
3. Barcelona, John. 2001 (CE 3740: Fall 2001). *Analysis and Design of Alternate Route for LA 408*. Presentation made to Louisiana DOTD engineers at DOTD Headquarters on December 7, 2001.
4. Frischertz, Brad. 2001 (CE 3740: Fall 2001). *Hurricane Evacuation Real-Time Traffic Sensor Network, Phase 2*. Presentation made to Louisiana DOTD engineers at DOTD Headquarters on December 7, 2001.

(b) At Rand Afrikaans University, South Africa

1. van der Merwe, Francois. 1988. *Development of a Spreadsheet-Based Automation of the Furness Method of Matrix Balancing*.

1.2.1.2.6 Senior design projects advised

(a) At LSU

1. Provided traffic estimation guidance to 16 final-year students on their Civil Engineering Design Project (CE 4760). *Rural Arterial Road Design*. Spring, 1999. Project adviser: Dr. John B. Metcalf.

(b) At Rand Afrikaans University, South Africa

1. Bouwer, Andre. 1987. *Analysis and Design of Parking Facilities at Southgate Shopping Center*. Senior-Year Design Project.

1.2.2 Listing of publications concerning instruction

1. Wilmot, C.G.. *A combined theoretical and practical training program for Civil Engineers*. South African Institute of Civil Engineers, published Proceedings of the Workshop on Tertiary Education in Civil Engineering, Midrand, South Africa, 27 October, 1988.

1.2.2.1 Textbooks

None

1.2.2.2 Shorter works

None

1.2.2.3 Edited books

None.

1.2.2.4 Recordings

None.

1.2.2.5 Instructional material – multimedia, electronic, etc.

1. Assisted in the preparation of a short course by Dr. Peter Stopher on the use of a transportation planning package, TransCAD. The course included 439 Powerpoint slides and eight practical assignments. Dr. Wilmot prepared and presented 111 of the 439 slides and 2 of the 8 practical assignments. The course was offered over a

four-day period in October 1997 and a second four-day period in November 1997. The course was then re-offered to a different group of practitioners in two four-day offerings in May 1998. Participants were transportation planning professionals from the Louisiana Department of Transportation and Development and Metropolitan Planning Organizations from five of the major cities in Louisiana.

2. Assisted in the preparation of a short course by Dr. Peter Stopher on the use of a transportation planning package, TRANPLAN. The course included preparation of a 135-page manual and four practical assignments. Dr. Wilmot prepared and presented the first 23 pages of the manual dealing with TPMENU, the portion of the software which permits interactive application of the models. The course was offered to transportation planning professionals from the Louisiana Department of Transportation and Development and Metropolitan Planning Organizations from five of the major cities in Louisiana.

1.2.2.6 Miscellaneous.

1. Wilmot, C.G., D.R. Deis, and R. Xu. *User Manual for the Outsourcing Decision Assistance Model*. Technical Report Number 364, Louisiana Transportation Research Center, June, 2002. 14 pages.

1.2.3 Publications concerning instruction accepted for publication but not yet published

None.

1.2.4 Participation In Activities Related To Instruction

1.2.4.1 Professional meetings, symposia, workshops and conferences on teaching

1. Russell, A.A., P. Carlson, W.N. Waggenpak, W. Hull, W.T. Monroe, and C.G. Wilmot, "Engineering Education - Oral and Visual Communication Using Enhanced Calibrated Peer Review", poster session at "Excellence in Education Conference, American Society of Engineering Educators, Austin, Texas, June 14-17, 2009.
2. Russell, A.A., P. Carlson, W.N. Waggenpak, W. Hull, W.T. Monroe, and C.G. Wilmot, "Engineering Education - Oral and Visual Communication Using Enhanced Calibrated Peer Review", poster session at National Science Foundation's Grantee Workshop, Reston, Virginia, February, 2009.

3. South African Institute of Civil Engineers Workshop on Tertiary Education in Civil Engineering, Midrand, South Africa, 27 October, 1988.

1.2.4.2 Local Instructional Activities

1.2.4.2.1 Guest lectures at LSU

Course number	Course title	Date	Enrollment
CE 2710	Introduction to Civil Engineering	10/15/03	25
		10/16/03	25
CE 4780	Hurricane Engineering	03/26/04	5
		03Dr/13/03	5
		03/11/03	5
CE 7700	Transportation Statistics	11/21/00	7
CE 4760	Civil Engineering Design	02/01/99	16
CE 3600	Principles of Highway and Traffic Engineering	01/29/98	37
		01/27/98	37
		11/07/96	35
CE 7700	Transportation Statistics	12/02/97	6
CE 7700	Transportation Statistics	09/30/97	6
CE 7700	Transportation Economics	09/29/97	8
CE 7640	Urban Transportation Policy and Planning	04/22/97	7
CE 7700	Transportation Statistics	02/13/97	7
CE 7700	Transportation Engineering Economics	08/26/96	7
CE 7640	Urban Transportation Policy and Planning	04/24/95	8
		04/17/95	8
CE 4620	Transportation Engineering	10/06/93	19
		10/13/93	19
		10/20/93	19
		10/27/93	19

1.2.4.2.2 Training

1. Training course offered to District Administrators of the Louisiana Department of Transportation and Development on the use of the Outsourcing Decision Assistance Model, February 19, 2003.

1.2.5 Other Instructional Activities

1. Graduate Seminar for Transportation Engineering students, *Determining the Patronage Estimates for Assessing the Feasibility of High-Speed Rail for Thailand*, 09/17/99.
2. Graduate Seminar for Transportation Engineering students, *Speed Limit Study for the State of Louisiana*, 01/29/97.
3. Two-week Course on Transportation Planning to Graduate Students at Stellenbosch University, South Africa, April 1992.
4. Three-day Course in Logit Modeling to Employees of the Planning Division of Cape Town City Council, April 1993.

1.2.6 Awards, Lectureships or Prizes

Outstanding Civil Engineering Educator Award for 2011, American Society of Civil Engineers

1.2.7 Research Support/Grant Activities

1.2.7.1 Funded proposals

1. Waggenspak, W.N. (PI), C.G. Wilmot (Co-PI), W.T. Monroe (Co-PI), W. Hull (Co-PI), P. Carlson (Co-PI), and A.A. Russell (Co-PI). *Enhancing Calibrated Peer Review for Improved Engineering Communication Education*. National Science Foundation, \$50,500. Awarded 08/28/08.
2. Wilmot, C.G., R. K. Seals, and A. Pawlowski, *Virtual Design Office*. LSU Student Technology Fee program. \$31,200. Awarded 03/10/03.

1.3 Research and Creative Activity

1.3.1 Listing of Research Publications

1.3.1.1 Books and monographs

Antipova, A., and C.G. Wilmot, "Urban environment and travel behavior", VDM Verlag Dr. Müller GmbH & Co. KC. 2010.

1.3.1.2 Shorter works

1.3.1.2.1 Chapters or essays in books

- 1 Wilmot, C.G., and R. Gudishala, "Collection of Time-Dependent Data using Audio-Visual Stated Choice", M. Zmud, J., M. Lee-Gosselin, J. Munizaga, and J. Carrasco, (eds.) *Transport Survey Methods: Best Practice for Decision Making*. Emerald Group Publishing, 2013.
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1.3.1.2.3 Other publications

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1.3.1.3 Edited books

None

1.3.1.4 Collections

None

1.3.1.5 Recordings

None

1.3.1.6 Miscellaneous

None

1.3.1.7 Electronic dissemination of research

None

1.3.2 Accepted for publication but not yet published

1.3.2.1 Accepted for publication

1. Bian, R., and C.G. Wilmot, An Analysis on Transit Pick-Up Points for Vulnerable People During Hurricane Evacuation: A Case Study of New Orleans. Submitted for publication in the Special Issue on Evacuation and Sheltering: Modeling, Management, and Policy to Promote Resilience, International Journal of Disaster Risk Reduction.

1.3.2.2 Publications in review

1. Gudishala, R., and C. Wilmot, Modeling Emergency Manager Decisions. Post 775, submitted for publication in Transportation Research Record, Transportation Research Board, Washington D.C.

1.3.2.3 Publications in preparation

None.

1.3.3 Other contributions

1.3.3.1 Research Reports

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1.3.4 Participation in professional meetings, symposia, workshops and conferences

1.3.4.1 Presentations at conferences

1. Bian, R., and C. G. Wilmot. Observing transient behavior during Hurricane Sandy through passively collected data. Presented at the 98th Annual Meeting of the Transportation Research Board, Washington D.C., January, 2019.
2. Bian, R., C.G. Wilmot, and R. Gudishala, Estimating Activities of Taxi Riders and Investigating the Impact of Hurricane Sandy. Poster Session 862, Paper #18-03314, 97th Annual Meeting of the Transportation Research Board, Washington D.C., January 7-11, 2018.
3. Bian, R., C.G. Wilmot, Lei Bu, Ling Wang, Estimating Spatio-Temporal Variations of Taxi Ridership Caused by Hurricanes in New York City". Poster Session 862, Paper #18-01422, 97th Annual Meeting of the Transportation Research Board, Washington D.C., January 7-11, 2018.
4. Wilmot, C.G., Outline of LTRC's Hurricane Evacuation Modeling Package (HEMP), National Hurricane Conference, New Orleans, April 17-20, 2017.
5. Bian, R., and C.G. Wilmot, A Combination of Research on Evacuating by Transit During Hurricanes, National Hurricane Conference, New Orleans, April 17-20, 2017.
6. Gudishala, R., and C. Wilmot, Modeling Emergency Manager Decisions. Poster Session 775, 96th Annual Meeting of the Transportation Research Board, Washington D.C., January 09-12, 2017.

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9. Wilmot, C.G., S. Glascock, G. Graham, and W. Li, Improving Freight Crash Incident Management, Poster Session 243, 95th Annual Meeting of the Transportation Research Board,, Washington D.C., January 11-14, 2016.
10. Shojaat, S., J. Geistefeldt, S.A. Parr, C.G. Wilmot, and B. Wolshon, Sustained Flow Index: A Stochastic Measure of Freeway Performance. Poster Session 249, 95th Annual Meeting of the Transportation Research Board,, Washington D.C., January 11-14, 2016.
11. Bian, R., and C.G. Wilmot, Measuring the Vulnerability of Disadvantaged Populations during Hurricane Evacuation. Poster Session 308, 95th Annual Meeting of the Transportation Research Board,, Washington D.C., January 11-14, 2016.
12. Bian, R., and C.G. Wilmot, A Spatio-Temporal Population Distribution Method for Emergency Evacuation: A Case Study of New Orleans. Poster Session 595, 94th Annual Meeting of the Transportation Research Board, Washington D.C., January 11-15, 2015.
13. Mokkaapati, A., Gudishala, R., and C.G. Wilmot, Determining the Location of Congestion Hot Spots in Urban Areas Using Image Analysis. Poster Session 445, 93rd Annual Meeting of the Transportation Research Board, Washington D.C., January 12-16, 2014.
14. Wilmot, C.G., and M. Akbarzadeh, Factors Affecting Route Choice During Hurricane Evacuation. Presentation at National Hurricane Conference, New Orleans, Louisiana, March 25-29, 2013.
15. Gudishala, R., and C.G. Wilmot, Predictive qualities of an evacuation demand model - time-dependent sequential logit. Presented at the 92nd Annual Meeting of the Transportation Research Board, Washington DC, January 13-17, 2013.
16. Gudishala, R., and C.G. Wilmot, Estimation of dynamic hurricane evacuation demand using a time-dependent, stated choice method of data collection. Presentation at 2nd International Conference on Evacuation Modeling and Management, Northwestern University, Evanston, Illinois, August 13-15, 2012.
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24. Wilmot, C.G., Factors affecting highway safety in Louisiana. Transportation Engineering Conference, Baton Rouge, January 10-12, 2011.
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62. Wilmot, C.G. *LADOTD Designers Versus Outside Consultants*. Louisiana Civil Engineering Conference and Show, New Orleans, September 16, 1999.
63. Wilmot, C.G. *Relative Cost of Design Using In-House Staff or Consultants*. Western Association of State Highway and Transportation Officials (WASHTO) Conference, Juneau, Alaska, July 21, 1999.

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71. Stopher, P.R., C.G. Wilmot and H.M.A Metcalf. *Using Census Data to Assist Transportation Planning Efforts: New Orleans and Los Angeles*. Decennial Census Data for Transportation Planning: Case Studies, Irvine, California, April 28-May 1, 1996.
72. Wilmot, C.G. *Application Of A Simplified Land Use Transportation Planning Process In A Developing Region*. ASCE Annual Transportation Planning Congress, San Diego, October 22-26, 1995.
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1.3.4.2 Session moderator

1. Plenary session, International Conference on Transport Survey Methods, Esterel, Canada, Sept. 24-29, 2017.
2. Louisiana Transportation Engineering Conference, Baton Rouge, February 15-18, 2004. Session 43, *Hurricane Planning and Evacuation*.
3. 7th International Conference on the Applications of Advanced Technology in Transportation, ASCE, Boston, August 5-7, 2002. Track 3, session 4, *Transport Planning and Modeling*.
4. 2002 Louisiana Transportation Engineering Conference, February 17-20, 2002. *Emergency Evacuation Planning and ITS Research at Oak Ridge*.

1.3.4.3 Workshops attended

1. Louisiana Statewide Model, hosted by Wilbur Smith and Associates, LSU, Baton Rouge, 05/26/04-05/27/04.
2. Census Workshop, hosted by U.S.Census, LSU, Baton Rouge, 01/09/03.
3. Training in the use of TransCAD, Caliper Corporation, Boston, 06/03/02 – 06/07/02.
4. Training course, *Scientific Approaches to Transportation Research*, National Highway Institute, Baton Rouge, 05/20/02 – 05/23/02.
5. Distance Education and Delivery Systems Training Session, LSU, Baton Rouge, 08/10/00.
6. *Transportation Operations During Major Evacuations: Hurricane Workshop*. FHWA and FEMA, Atlanta, 06/26/00 – 06/28/00.
7. *Implications of Emerging Travel Trends – What Does NPTS Tell Us?* FHWA, Crystal City, Virginia, 04/20/94 – 04/21/94.

1.3.5 Other scholarly/creative activities or other contributions to the profession

1.3.5.1 Membership in professional organizations

1. Professional Engineer, Louisiana, 2003 – present.
2. Charter Member of the Transportation and Development Institute of the American Society of Civil Engineers, 2003 – 2008.
3. Member, International Steering Committee on Travel Survey Conferences, 2002 – present.
4. Member, American Society of Civil Engineers, 1995 - present
5. Professional Engineer, South African Council of Professional Engineers, 1973-1993.
6. Fellow, South African Institution of Civil Engineers, 1991-1994.
7. Member, South African Institution of Civil Engineers, 1973-1991.

1.3.5.2 Administrative duties

1. Treasurer/Secretary of International Steering Committee on Travel Survey Conferences.

1.3.5.3 New standard testing methods, new design of equipment, etc.

None

1.3.6 Other awards, lectureships, prizes

1. Invited presentation, *Hurricane Evacuation*, National Research Council's Committee on Weather Research for Surface Transportation, National Academies of Science, Washington D.C., August 18, 2003.

1.3.7 Other research support/grant activities

1.3.7.1 Funded Proposals

- 1 “Hurricane Evacuation Modeling Package”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, February 1, 2017. Duration: 2 years. Total amount: \$381,374.
- 2 “Development of a Mode Choice Model to Estimate Evacuation Transit Demand”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, March 1, 2016. Duration: 2 years. Total amount: \$233,614.
- 3 “Diverted Traffic Measurement”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, January 1, 2016. Duration: 2 years. Total amount: \$311,825.
- 4 “Cost and Time Benefit for using Subsurface Utility Engineering in Louisiana”, Co-PI: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, January 1, 2016. Duration: 2 years. Total amount: \$152,922.
- 5 “LTRC Proposal for Support of Research in Transportation Planning”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, May 18, 2015. Duration: 3 years. Total amount: \$1,587,387.
- 6 “Ensuring Safety in Autonomous Vehicle Legislation in Louisiana”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, December 15, 2014. Duration: 3 years. Total amount: \$80,898.
- 7 “Identifying Local Transit Resources for Evacuation”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, October, 2013. Duration 15 months. Total amount: \$204,617.
- 8 “Travel Time Estimation Using Bluetooth”, Principal Investigator: Chester G. Wilmot. Funded by the National Center for Intermodal Transportation for Economic Competitiveness (NCITEC), July, 2013. Duration: 2 years. Total amount: \$260,114.

- 9 “Investigation into the Impact of Privatizing Civil Engineering Operations in Louisiana DOTD”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, July, 2012. Duration 6 months. Total amount: \$200,000.
- 10 “LTRC Proposal for Support of Research in Transportation Planning”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, June 21, 2012. Duration: 3 years. Total amount: \$1,207,533.
- 11 “Improving Freight Crash Incident Management”, Principal Investigator: Chester G. Wilmot, Funded by the National Center for Intermodal Transportation for Economic Competitiveness (NCITEC), March, 2012. Duration: 18 months. Total amount: \$143,201.
- 12 “Development of a Time-Dependent Hurricane Evacuation Model for the New Orleans Area”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, July, 2008. Duration: 4 years. Total amount: \$510,839.
- 13 “Collaborative Proposal: Improving Engineering Communication Education with Enhanced Calibrated Peer Review”, Principal Investigator: Warren Waguenspack, Co-P.I.: Chester G. Wilmot. Funded by the National Science Foundation, June, 2008. Duration 4 years. Total amount: \$500,000. Personal budget: \$50,050.
- 14 “Center for the Study of Natural Disasters, Coastal Infrastructure and Emergency Management”, Principal Investigator: Rick Luettich, UNC. Funded by the Department of Homeland Security, March 2008. Duration: 4 years. Total budget: \$4,268,291. Personal budget: \$42,746.
- 15 “LTRC Proposal for Support of Research in Transportation Planning”, Principal Investigator: Chester G. Wilmot. Funded by Louisiana Transportation Research Center, July 1, 2009. Duration: 3 years. Total amount: \$1,159,323
- 16 “Statewide Traffic Safety Study - Phase II”, Principal Investigator: Chester G. Wilmot. Funded by the Louisiana Department of Transportation and Development, December, 2005. Total amount: \$346,929.
17. Knapp, G. (PI), J. Gill (Co-PI), C. McAllister (Co-PI), and C.G. Wilmot (Co-PI). *Review of LA DOTD Selection Process for Engineering Consultants*. Louisiana Department of Transportation and Development. 08/30/04-12/17/04. \$59,990
18. Wilmot, C.G. (PI). *Statewide Traffic Safety Study - Phase I*. Louisiana Transportation Research Center. 06/01/04-12/31/04. \$100,000
19. Wilmot, C.G. (PI). *Preparing Input Data for MOBILE 6 Vehicle Emissions Model*. Louisiana Transportation Research Center. 07/01/03-12/31/04. \$100,000.

20. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/03-06/30/06. \$724,160.
21. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/00-06/30/03. \$600,626.
22. Wilmot, C.G. (PI), B. Wolshon (Co-PI), and S. Ishak (Co-PI). *Modeling Hurricane Evacuation Traffic*. Louisiana Transportation Research Center. 01/01/03-12/31/04. \$170,320.
23. Stopher, P.R. (PI), and C.G. Wilmot (Co-PI). *Standardization of Personal Travel Surveys*. National Cooperative Highway Research Program (NCHRP) Project 8-37. 04/17/00-01/01/04. \$370,000.
24. Wilmot, C.G. (PI). *Designing a Comprehensive Model to Evaluate Outsourcing of DOTD Functions and Activities*. Louisiana Transportation Research Center. 01/15/00-06/30/02. \$149,061.
25. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/99-06/31/00. \$178,995.
26. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/98-06/31/99. \$154,219.
27. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/97-06/30/98. \$149,381.
28. Wilmot, C.G. (PI). *Louisiana Department of Transportation and Development In-House versus Consultant Design Cost Study*. Louisiana Transportation Research Center. 02/01/97-06/30/98. \$99,990.
29. Wilmot, C.G. (PI), and P.R. Stopher (Co-PI). *Cost-Effective Data Collection in Louisiana*. Louisiana Transportation Research Center. 02/21/97-02/20/99. \$143,389.
30. Wilmot, C.G. (PI), and M. Khanal (Co-PI). *Speed Limit Study for the State of Louisiana*. Louisiana Transportation Research Center. 08/22/96-04/22/97. \$45,130.
31. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/96-06/30/97. \$135,912.
32. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/95-06/30/96. \$123,199.

33. Stopher, P.R. (PI), and C.G. Wilmot (Co-PI). *Urban Network Travel Demand Evaluation and Forecasting*. Louisiana Transportation Research Center. 02/05/95-08/05/97. \$230,068.
34. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/94-06/30/95. \$254,985.
35. Pendyala, R. (PI), and C.G. Wilmot (Co-PI). *An Air Quality Analysis of Alternative Land Use Development Strategies*. Research Competitiveness, Louisiana Education Quality Support Fund (LEQSF). 06/01/94-05/31/96. \$75,000.
36. Wilmot, C.G. (PI). *LTRC Proposal for Support of Research in Transportation Planning*. Louisiana Transportation Research Center. 07/01/93-06/30/94. \$173,240.

1.3.7.2 Pending proposals

1.3.7.3 Rejected proposals

1. Wolshon, B. (PI), J.J. Beggs (Co-PI), J.S. Hurlbert (Co-PI), and C.G. Wilmot (Co-PI). 2003. *Social and Temporal-Spatial Determinants of Evacuation Planning and Traffic Dynamics*. National Science Foundation. 36 months. \$387,347.
2. Wilmot, C.G. (PI), Y.H. Karasulu, T.W. Liao, J.R. McLean, M.M. Morris. 2003. *Expert System for Recommending Speed Limits in Speed Zones*. National Cooperative Highway Research Program (NCHRP) Project 3-67. 24 months. \$300,000.
3. Louisiana Department of Transportation. 2002. *Surface Transportation Security and Reliability Information System (Model Deployment)*. This proposal drew collaborators from a variety of agencies across the state and a number of investigators within LSU. Wilmot submitted two proposals as part of the overall proposal (i) *Mobile Traffic Counter*. 48 months. \$126,710. (ii) *Anticipatory Traffic Simulation*. 48 months. \$252,432.
4. Wilmot, C.G. (PI), and P. R. Stopher (Co-PI). 2001 *Modeling Hurricane Evacuation of Coastal Areas*. Louisiana Sea Grant Program. 24 months. \$145,982.
5. Levitan, M. (PI), C.G. Wilmot, S. Feld, J.Schroeder. 2001. *Evaluation of American Red Cross Hurricane Evacuation Project for New Orleans*. American Red Cross. 18 months. \$53,896.
6. van Heerden, I., M. Levitan, J. Suhayda, V. Aravamuthan, J. Pine, B. Wolshon, and C.G. Wilmot. 2001. *Louisiana Disaster Information Network*. Louisiana Office of Emergency Preparedness. \$566,797.

7. van Heerden, I., J. Suhayda, V. Aravamuthan, J. Pine, B. Wolshon, C. Wilmot, J. Hurlbert, K. Robbins, and M. Levitan. 2001. *New Orleans Catastrophic Hurricane Evacuation Plan*. URS Greiner. \$38,413.
8. van Heerden, I (PI), M. Levitan (PI), G. Stone (PI), D. Mukai (PI), S. Feld (PI), M. Hugh-Jones, J. Beggs, O. Huh, J. Hurlbert, J. Pardue, J. Pine, D. Reible, K. Robbins, B. Sharkey, V. Singh, N.Walker, B. Wolshon, C. Wilmot, S. Hsu. 2001. *A Multidisciplinary Hurricane Doctoral Program for a Planet at Risk*. Integrative Graduate Education and Research Traineeship (IGERT) Program, National Science Foundation. \$618,720.
9. Stopher, P.R. (PI), C.G. Wilmot (Co-PI). 2000. *Development of a Method for Deploying GPS Devices to Measure Household Travel*. U.S. Department of Transportation, Bureau of Transportation Statistics. 12 months. \$99,930.
10. Wilmot, C.G. (PI). 2000. *2000 German Marshall Fund Environmental Fellowship Program*. German Marshall Fund. 2 months. \$15,000.
11. Harlow, C. (PI), and C.G. Wilmot (Co-PI), 2000. *Remote Sensing Emission Monitoring System*. Louisiana Transportation Research Center, 24 months. \$204,383
12. Harlow, C. (PI), and C.G. Wilmot (Co-PI), 1999. *Remote Sensing Emission Monitoring System*. ITS-IDEA. 24 months. \$322,852.
13. Stopher, P.R. (PI), and C G. Wilmot (Co-PI). 1999. *Development of a method for deploying GPS devices to measure household travel*. ITS-IDEA. 12 months. \$99,371.
14. Harlow, C. (PI), and C.G. Wilmot (Co-PI). 1998. *Remote Sensing Emission Monitoring System*. ITS-IDEA. 24 months. \$124,245.
15. Wilmot, C.G. (PI). 1997. *Designing a bus system in medium-sized urban areas*. Sustainable Development Challenge Grant Proposal, Environmental Protection Agency. 18 months. \$249,034.
16. Wilmot, C.G. (PI). 1995. *Customer-Defined Transit Service Quality*. Transportation Cooperative Research Program (TCRP) Project B-11. 18 months. \$200,008.
17. Midwest Research Institute (PI). 1995. *Quantifying air-quality and other benefits and costs of transportation control measures*. National Cooperative Highway Research Program (NCHRP) Project 8-33. \$750,000.
18. Wilmot, C.G. (PI). 1994. *Innovative Practices for Multimodal Transportation Planning for Freight and Passengers*. National Cooperative Highway Research Program (NCHRP) Project 8-32(1). 15 months. \$140,000.

19. Wilmot, C.G. (PI). 1994. *Strategies for influencing choice of travel mode*. Transportation Cooperative Research Program (TCRP) Project H-4A. 18 months. \$250,000
20. Wilmot, C.G. (PI). 1994. *Development of a generalized priority-setting procedure for transportation projects*. LEQSF. 24 months. \$95,000.

1.3.8 Theses/dissertations directed

M.S. at LSU: 15 at RAU: 9

Ph.D. at LSU: 6

1.3.9 Major areas of research interest

1. Dynamic travel demand estimation of hurricane evacuation.
2. Real-time traffic counting.
3. Travel surveys.
4. Transferability of transportation models and transportation data.
5. Priority assessment procedures.
6. GIS and GPS applications in transportation.

1.4 Service

1.4.1 Student Organizations Advised

ITE Student Chapter

1.4.2 Recruitment of students and faculty

1. Graduate student, Siavash Shojaat, Iran, Fall 2013.
2. Graduate student, Ruijie Bian, Peoples Republic of China, Fall 2013.
3. Graduate student, Chen Bin, Peoples Republic of China, Fall 2003.
4. Graduate student, Hong Zhang, University of Louisiana, Lafayette, Spring 2003.
5. Graduate student, Dunfa Xi, Peoples Republic of China, Spring 2001.
6. Graduate student, Bing Mei, Peoples Republic of China, Spring, 2000.
7. Graduate student, Guangxiang Cheng, University of Alaska, Fairbanks, Fall, 1997.

1.4.3 University service

1.4.3.1 Department

(a) At LSU

1. Chairman, Civil Engineering Undergraduate Programs Committee, June 2003 – present.
2. Director, Germano Computer Laboratory, June 2002 – present.
3. Chairman, CEE Awards and Honors Committee, June 2016 – present.
4. Coordinator, CEE Mentoring Program, 2015 - present.
5. Member, CEE Online Masters Program committee

(b) At Rand Afrikaans University, South Africa

1. Chairman, Civil Engineering Undergraduate Program, 1986-1988.
2. Coordinator, Transportation Engineering Graduate Program, 1985-1988.

1.4.3.2 Louisiana Transportation Research Center

1. Program Manager, Transportation Planning, Special Projects Section, LTRC. 2001-2010.

1.4.3.3 College

1. Member of the Undergraduate Scholarship Awards Committee, 2013 - present.
2. Coordination Council on Engineering Infrastructure Systems (12/01/00-05/15/01)

1.4.3.4 University

1. Member, Graduate Faculty, LSU, 2001 – present.
2. Associate Member, Graduate Faculty, LSU, 1997 - 2001.
3. Affiliate Member, Graduate Faculty, LSU, 1993 - 1997
4. Task Force on Rolling Contracts for Research Faculty, Office of the Vice-Chancellor for Research and Graduate Studies, LSU, 08/04/99-01/06/00.
5. Deans Representative, doctoral candidate Renato Coutinho, Department of Industrial Engineering, LSU, 2018.
6. Deans Representative, doctoral candidate Gustavo Rojas, Department of Industrial Engineering, LSU, 2014.
7. Deans Representative, doctoral candidate Amber Russell, Department of Mathematics, LSU, 2012.
8. Deans Representative, doctoral candidate Saif Al-Quasi, Engineering Science, LSU, 2011.
9. Deans Representative, doctoral candidate Xinjia Chen, Department of Electrical and Computer Engineering, LSU, 1999.
10. Deans Representative, doctoral candidate Johann Sydow, Department of Oceanography and Coastal Sciences, LSU, 1996.

1.4.3.5 Faculty Senate Committees

None.

1.4.4 Professional service

1.4.4.1 Advisory boards, commissions or agencies

1. Member of the Southeastern Louisiana Flood Protection Advisory Committee. Feb. 2017 - present.
2. Program Coordinator, Louisiana Offshore Oil Platform Advisory Committee, Louisiana Offshore Terminal Authority, Louisiana Department of Transportation and Development, 2003-2010.
3. Member, Louisiana Offshore Oil Platform Advisory Committee, Louisiana Offshore Terminal Authority, Louisiana Department of Transportation and Development, 2010-present.
4. Member, Committee on Travel Survey Methods (A1D10), Transportation Research Board, 2002-2008.
5. Member, East Baton Rouge Consultant Selection Committee, East Baton Rouge Department of Public Works, 2011.
6. Ad Hoc Member of the Organizing Committee of the 9th Transportation Research Board Conference on the Application of Transportation Planning Methods, Baton Rouge, April 6-10, 2003. (Co-opted to organize the student paper session of the conference).
7. Member, Committee on Travel Behavior and Values (A1CO4), Transportation Research Board, 1999–2002.
8. Member and Friend, Subcommittee on Emergency Evacuation (A3B01(4)), Transportation Research Board, 2001–present.
9. Member, Southeastern Louisiana Hurricane Task Force Committee, OEP. 2001–2004.
10. Member, Planning and Economics Committee, Transportation and Development Institute, ASCE. 2001-2008.
11. Advisory Committee on the appointment of Assistant Secretary of the Louisiana Department of Transportation and Development. 01/23/01.
12. Awards Committee, South African Institution of Civil Engineers, 1986-1988.
13. Admissions Committee, South African Council of Professional Engineers, 1986-1988.

1.4.4.2 Journals edited, manuscripts refereed, books and proposals reviewed

1.4.4.2.1 Journals edited

None.

1.4.4.2.2 Manuscripts refereed

Journal or agency	Number of papers refereed by year										
	95	96	97	98	99	00	01	02	03	04	Total
TRB	1	6	8	3	4	5	3	2	7	7	46
Transport Reviews		2	1	1	1						5
ASCE Journal of Transportation				3	1	4					8
ATC Research Forum	1					1					2
ISCTSC			1			1	1				3
ASCE AATT								8			8
Activity-Based Approaches										1	1

Journal or agency	Number of papers refereed by year										
	05	06	07	08	09	10	11	12	13	14	Total
TRB	6	7	4	5	4	6	5	12	4	3	56
Transport Reviews							1				1
ASCE Journal of Transportation					1						1
ISCTSC	1				4				2		7
SAICE										1	1

Journal or agency	Number of papers refereed by year										
	15	16	17	18	19	20	21	22	23	24	Total
TRB	6	10									
Transport Reviews				1							
ASCE Journal of Transportation											
ISCTSC			1								
Transportation Research Part A			2	2							
Transportation Research Part B		1									
IJMC		1									
SAICE			1								

1.4.4.2.3 Books reviewed

1. Horowitz, A. *Lowry-Type Land Use Models*. In Hensher, D., K. Button, K. Haynes, and P. Stopher, (eds.) *Transport Geography and Spatial Systems: Handbook 5*. Pergamon Press. 2003.
2. Hallmark, S. *Other Transportation Applications in GPS*. In Hensher, D., K. Button, K. Haynes, and P. Stopher, (eds.) *Transport Geography and Spatial Systems: Handbook 5*. Pergamon Press. 2003.

3. Garrison, W.L., and J.D. Ward. *Tomorrow's Transportation: Changing Cities, Economies, and Lives*. Artech House, 2000.

1.4.4.2.4 External Dissertations Reviewed

1. none.

1.4.4.2.5 Proposals reviewed

1. Boussebaine, A.H. 2000. *Risk Assessment and Decision Making in Whole Life Cycle Costing: Developing a Framework*. Engineering and Physical Sciences Research Council (EPSRC), United Kingdom.

1.4.4.2.6 Reports reviewed

1. McCormally, J., A. Moore, and G. Segal. *From Design to Operations: Improving Our Infrastructure and the Role of Public Private Partnerships*. Reason Public Policy Institute Report, 2000.
2. Sun, X. *Use of GPS to Measure Travel Characteristics in an Urban Area*. Louisiana Transportation Research Center Report, 2001.

1.4.5 Other external service

1. Presentation to the New Orleans Regional Planning Commission Freight Round Table, "Autonomous vehicles: A look into the past - a look into the future", New Orleans Emergency Operations Center, 10/25/2017.
2. Investigation of condition of roads in Louisiana relative to roads in other peer states, conducted at the request of the Secretary of the Louisiana Department of Transportation and Development. (10/29/04).
3. Telephone interview with reporter from Business Report of Public Radio (WRKF) on traffic impact of a planned Super Walmart on College Drive between Perkins Road and the I-10. (01/22/03).
4. Information to Secretary of Washington State Department of Transportation (Douglas B. McDonald) on privatization of state activities and functions. Information included documentation, references, and telephone contacts. (01/22/03).
5. Television interview with Carmen Izzo of Channel 9 (WAFB) on capture of evacuation behavior from survey in New Orleans scheduled for Spring 2003. (09/27/02).
6. Mock hurricane evacuation exercise with Office of Emergency Preparedness in which all travel demand estimates were provided by a team of faculty from the Department of Civil

and Environmental Engineering at LSU (Wilmot, Wolshon, and Ishak). (06/18/02). LSU's involvement described in an article in LSU Today titled "LSU involvement with OEP exercises becoming more sophisticated" (LSU Today, Vol. 18, No. 40, July 5, 2002).

7. Presentation to Lauren Jardel, Public Relations Officer for Senator Mary Landrieu, on activities of the Hurricane Center at LSU. 06/20/02
8. Television interview with Marvin Hersh of Channel 2 (WBRZ) regarding the likely airline industry reaction to the crash of American Airline flight 257 in Rockaway subdivision in Queens, New York on 11/12/01.
9. Application of model developed by Wilmot to estimate financial condition of the Transportation Infrastructure Model for Economic Development (TIMED) to determine feasibility of accelerating construction in Louisiana by floating bonds. Results requested and used by Secretary and Under-Secretary of Louisiana DOTD to justify sale of bonds which have subsequently been procured and used to fund an expanded construction program in the state. 10/28/99.
10. Served on panel at public meeting of Concerned Transit Users, Faculty Club, LSU. 10/22/96.