
MD SHOAIB CHOWDHURY, Ph.D., P.E., F.ASCE
Associate Professor
Department of Civil and Environmental Engineering (DCEE)
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EDUCATIONAL QUALIFICATIONS

- PhD in *Transportation*, New Jersey Institute of Technology (NJIT), USA - 2000
- M.E. in Civil (*Major: Transportation*) Engineering, the City College of New York (CCNY), USA - 1996
- B.Sc. in Civil Engineering (*Major: Structure and Water*), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh - 1991

PROFESSIONAL REGISTRATION

Licensed Professional Engineer (P.E.), New York, USA

INTERNATIONAL RECOGNITIONS (PROFESSIONAL AND RESEARCH)

TYPE OF RECOGNITION (YEAR)	ABOUT THE SOCIETY
Elected a Fellow of ASCE (in 2015)	In ASCE’s own words “The American Society of Civil Engineers represents more than 150,000 members of the civil engineering profession in 177 countries. Founded in 1852, ASCE is the oldest engineering society in USA. ASCE Fellows have made celebrated contributions and developed creative solutions that change lives around the world. It is a prestigious honor held by fewer than 3.5% of ASCE members.”
Elected a Member of Sigma-Xi (in 2000)	In Sigma Xi’s own words “Sigma Xi, The Scientific Research Society is the international honor society of science and engineering. One of the oldest and largest scientific organizations in the world. More than 200 Sigma Xi members have received the Nobel Prize.”

OTHER HONORS, AWARDS AND SCHOLARSHIPS

- Listed in the *Marques Who’s Who in the World*, 24th edition, 2007
- *Professional Associate award*, Parsons Brinckerhoff, 2005
- Listed in the *Marques Who’s Who in America*, 59th edition, 2005
- Listed in the *Marques Who’s Who in Science and Engineering*, 7th edition, 2003-2004
- Member, *Alpha Epsilon Lambda Graduate Honor Society* (Sigma Chapter), NJIT, 1999
- *George Krambles Transit Foundation Scholarship* for the paper titled “Intermodal Transit System Coordination”, 1998
- *Rockwell ITS America Scholarship*, 1997

TEACHING EXPERIENCE

Fall 2016 – To date	Position/ Employer	<i>Associate Professor of Civil & Environmental Engineering, North South University, Block B, Bashundhara, Dhaka 1229, Bangladesh</i>
	Major Activities	<ol style="list-style-type: none"> 1. Taught (and/or teaching) the following courses <ul style="list-style-type: none"> • <i>CE100: Introduction to Civil and Environmental Engineering</i> • <i>ARC 281: Building Structures I: Basic Principles</i> • <i>CEE 350: Traffic Analysis and Design</i> • <i>CEE 410: Construction Engineering</i> • <i>CEE 415: Socio-economic Aspects of Development Projects</i> • <i>CEE 490: Special Topic (Advanced Traffic Engineering)</i> 2. Supervision Responsibility (<i>CEE 499: Engineering Project</i>)
Fall 2010 to Spring 2016	Position/ Employer	<i>Adjunct Associate Professor of Civil Engineering, The City College of the City University of New York, 160 Convent Ave, New York, NY 10031, USA (ABET Accredited program)</i>
	Major Activities	<ol style="list-style-type: none"> 1. Taught the following 3-credit courses <ul style="list-style-type: none"> • <i>CE326: Transportation Planning</i> • <i>CE 327: Transportation Systems Engineering</i> • <i>CE 520: Traffic Engineering</i> • <i>CE 540: Highway Engineering</i> • <i>CE I 4000: Traffic Control (Graduate Course)</i> • <i>CE G 3500: Transportation Safety (Graduate Course)</i> 2. Prepared PhD qualifying exam questions (2-Traffic Engineering problems)and Graded exam papers for four times
2014-2015	Position/ Employer	<i>Adjunct, Department of Civil and Environmental Engineering, The New Jersey Institute of Technology, University Heights Newark, New Jersey 07102, USA (ABET Accredited program)</i>
	Major Activities	<i>Taught CE351: Introduction to Transportation Systems (two times -fall 2014 and fall 2015)</i>

SELECTED RESEARCH AND PROFESSIONAL EXPERIENCE

(Note: year used to represent some part of that particular year)

- **2010 - 2012:**
Post Doctoral Research Associate, Institute for Transportation Systems (CUNY-ITS) The City College of New York, 160 Convent Avenue, New York, NY 10031, USA
- **2000 - 2007:**
Senior (Transportation) Engineer
Parsons Brinckerhoff (PB), Inc., One Penn Plaza, New York, 10119, USA
- **1996 - 2000:**
Graduate Research Assistant, Institute for Transportation
New Jersey Institute of Technology, Newark, New Jersey, 07102, USA

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- **1995 - 1996:**
Graduate Intern/College Aide
New York City Department of Transportation, New York, USA
 - **1995/1996:**
Graduate Research Assistant
Institute for Transportation Systems, the City College of New York, New York, USA
 - **1992:**
Junior Engineer/Technical Assistant
Surface Water Modeling Centre, Dhaka, Bangladesh

PEER REVIEWED PUBLICATIONS (REFERRED JOURNALS AND PROCEEDINGS)

1. Shoaib Chowdhury “*Developing Integrated Multimodal Transportation Networks in Bangladesh with Regional Connectivity: Key Issues and Challenges*”, Proceedings of the International Conference on Transportation & Development, ASCE/T&DI, Houston, Texas, June 26-29, 2016
2. Shoaib Chowdhury “*A simulation Based Operations Evaluations of Major Interchange Configurations*”, Proceedings of the International Conference on Transportation & Development, ASCE/T&DI, Houston, Texas, June 26-29, 2016
3. Shoaib Chowdhury “*Managing the Freight Deliveries in Manhattan: Opportunities for Collaborative City Logistics Measures*”, Proceedings of the International Conference on Transportation & Development, ASCE/T&DI, Houston, Texas, June 26-29, 2016
4. Shoaib Chowdhury , “*Public Transport in Dhaka: Organizational, funding and Financing Issues for Sustainable Development*”, ICSI-2014, pp. 349-359, ASCE, ISBN: 9780784478745, 2014
5. Shoaib Chowdhury, “*Sustainable Transportation Systems for Dhaka Metropolitan City: Issues and Opportunities*”, ICSI-2014, pp. 448-459, ASCE, ISBN: 9780784478745, 2014
6. Shoaib Chowdhury, “*Funding Road Safety Programs and Projects in Bangladesh*”, T&DI Congress 2014;pp. 437-447, ASCE, ISBN: 9780784413586, 2014.
7. Shoaib Chowdhury, “*Easing Congestion with Pedestrian Crossing at Midblock*”, T&DI Congress 2014: pp.430-436., ASCE, ISBN: 9780784413586, 2014.
8. Shoaib Chowdhury and Steven Chien , “*Joint optimization of bus size, headway, and slack time for efficient timed transfer*”, Journal of Transportation Research Board, TRR No. 2218, pp 48-58, Transit Volume 3, 2011
9. Shoaib Chowdhury, “*An Evaluation of New Jersey Jug-handle Intersection (NJJI) with and without Pre-Signals*”, T&DI congress, pp. 1245-1254, ASCE, ISBN: 9780784411674, 2011
10. Shoaib Chowdhury, “*Public Private Partnership: A Prospective in the Development of Sustainable Transport Infrastructures and Services in Bangladesh*”, T&DI congress, pp. 1016-1025, ASCE, ISBN: 9780784411674, 2011
11. Shoaib Chowdhury, “*Examining the Operational Benefits of Freeway Ramp Metering Control Using CORSIM (CORridor Simulator)*”, AATT-2006, pp. 504-509, ASCE/T&DI, ISBN: 9780784407998, 2006
12. Shoaib Chowdhury and Steven Chien, “*Intermodal Transit System Coordination,*” Journal of Transportation Planning and Technology, Vol. 25, No. 4, pp257-288, December 2002
13. Steven Chien, Dimitrios Goulias, Shmuel Yahalom, and Shoaib Chowdhury, “*Simulation Based Estimations of Delays at Freeway Work Zones,*” Journal of Advanced Transportation, Vol. 36, No. 2, pp 131-156, September 2002

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14. Steven Chien, Kyriacos Mouskos, and Shoab Chowdhury, “*Generating Driver Population for the Microscopic Simulation Model (CORSIM)*,” Journal of “SIMULATIONS”, Vol. 76, No.1 pp40-25, January 2001
 15. Shoab Chowdhury and Steven Chien, “*Dynamic Vehicle Dispatching at Intermodal Transfer Stations*,” Journal of Transportation Research Board, TRR No. 1753, pp 61-68, December 2001
 16. Steven Chien, Shoab Chowdhury, Kyriacos Mouskos, and, Yuqing Ding, “*Enhancements of the CORSIM Model in simulating Transit Operations*,” Journal of Transportation Engineering, ASCE, Vol. 126, No.5, pp396-404, September/October 2000

PEER REVIEWED PUBLICATIONS (SELECTED CONFERENCE PAPERS)

1. Shoab Chowdhury and Steven Chien, “*Joint optimization of bus size, headway, and slack time for efficient timed transfer*”, Proceedings of the 90th TRB Annual Meeting, January 2011
2. Shoab Chowdhury and Steven Chien, “*Optimization of Transfer Coordination for Intermodal Transit Networks*,” presented at the 80th annual meeting, Transportation Research Board, Washington DC, January 2001
3. Shoab Chowdhury and Steven Chien, “*Dynamic Vehicle Dispatching at Intermodal Transfer Stations*,” Transportation Research Board 80th Annual Meeting, Washington DC, January 2001
4. Shoab Chowdhury and Steven Chien, “*Intermodal Transit System Coordination*,” Transportation Research Board the 79th Annual Meeting, Washington DC, January 2000

SELECTED NEWSPAPER ARTICLES

1. Shoab Chowdhury, “*Highway Safety: Key Issues and Recommendations*”, Op-Ed, The Independent, Dhaka, Bangladesh, November 29, 2014
2. Shoab Chowdhury, “*For a Safe Road*”, Anniversary Edition of the Prothom Alo, November 8, 2013
3. Shoab Chowdhury, “*Developing infrastructures through PPP*”, Op-Ed, The Independent, Dhaka, Bangladesh, January 08, 2011
4. Shoab Chowdhury, “*Preventing Road Accident Deaths*”, Op-Ed, The Independent, Dhaka, Bangladesh, August 17, 2010
5. Shoab Chowdhury, “*Dhaka’s Water Logging and River Pollution*”, Post Editorial, The Independent, Dhaka, Bangladesh, August 31, 2009
6. Shoab Chowdhury, “*Bangladesh to Join Asian Highway*”, Post Editorial, The Independent, Dhaka, Bangladesh, August 13, 2009
7. Shoab Chowdhury, “*Tipaimukh, Water Disputes With India*”, Post Editorial, The Independent, Dhaka, Bangladesh, August 4, 2009
8. Shoab Chowdhury “*Significance of Bangladesh-Myanmar Route*” The Prothom Alo, Dhaka, Bangladesh, January 22, 2006

SELECTED UNIVERSITY/DEPARTMENTAL SERVICES AT NSU

- *Member*, Curriculum Committee, DCEE, NSU
- *Proctoring Service*, Undergraduate Admission Test (two times)
- *Program Coordination/Publication committee*, Civil Festival 2017, DCEE
- *Committee member/Rapporteur*, NSU-MONASH University joint Seminar on 'Infrastructure Development and Innovation', November 4, 2017
- *Member*, Faculty Search Subcommittee, DCEE, NSU