

1. Name and Photograph: Ashutosh Arun
2. Designation and complete address including email id.:
Scientist, Traffic Engineering and Safety Division,
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3. Areas of Interest: Traffic Engineering, Road Safety, Statistical and Econometric Modelling

4. Educational Qualification:

Degree	University/Institution	Year of Graduation	Subject	CGPA/%
M. Tech.	AcSIR, New Delhi	2012	Engineering of Infrastructure and Disaster Mitigation	9.55
B. E.	Thapar University, Patiala, Punjab.	2010	Civil Engineering	9.40

5. Professional Experience:

S. No.	Period	Name of Organization	Position Held
1.	2010 – 2012	CSIR-Central Road Research Institute	Quick Hire Scientist - Trainee
2.	2013 – Till Date	CSIR-Central Road Research Institute	Scientist

6. Membership to Professional Bodies

7. Achievements

- a. Honours and Awards:

- i. VLIR-UOS Scholarship for attending the International Training Program titled *Road Safety in Low and Middle Income Countries: Challenges and Strategies for Improvement* held at Hasselt University, Belgium from September to December, 2015
- ii. Quick Hire Scientist (QHS)-Trainee fellowship under the QHS scheme of the Council of Scientific and Industrial Research (CSIR), India

- b. Research Projects – Provided in Annexure I

c. Research Publications – Provided in Annexure II

Annexure I

List of Research Projects

1. **Leader** of the work package dealing with *Roadway Capacity Estimation for Multilane Interurban Highways* as a part of the supra institutional network research project titled **Development of Indian Highway Capacity Manual**.
2. **Team Member** of the work package dealing with *Feeder Transport System and Parking Facilities at Public Transport Terminals* as a part of the supra institutional network research project titled **Development and Application of Technologies for Sustainable Transportation**.
3. *Road Crash Frequency and Severity Prediction Models for Indian National Highways using Conventional and Soft-Computing Tools* – M. Tech. Dissertation project

Annexure II

List of Research Papers

A. Journal papers.

1. **Arun, A.**, Velmurugan, S., Ravindar, K. & Sitaramanjaneyulu, K. (2015). Statistical relationship between space mean speed and time mean speed on multilane interurban highways in India. *Indian Highways – Journal of the Indian Road Congress* (Accepted for publication)
2. Roy, D., Chakroborty, S. & **Arun, A.** (2015). Evaluation of traffic congestion for six lane divided urban arterials under mixed traffic conditions using speed-density model. *Indian Highways – Journal of the Indian Road Congress* (Accepted for publication)
3. **Arun, A.**, Velmurugan, S. & Madhu, E. (2013). Methodological framework towards roadway capacity estimation for Indian multi-lane highways. *Procedia - Social and Behavioral Sciences* (104), pp. 477-486. Elsevier
4. Pulugurta, S., **Arun, A.** & Madhu, E. (2013). Use of artificial intelligence for mode choice analysis and comparison with traditional multinomial logit model. *Procedia - Social and Behavioral Sciences* (104), pp. 583-592. Elsevier

B. Conference papers.

1. **Arun, A.**, Madhu, E. & Velmurugan, S. (2015). Road crash frequency prediction for Indian national highways using soft-computing tools. Recent Advances in Traffic Engineering (RATE-2015) held at SVNIT Surat on 3-4 July 2015
2. Bera, R., **Arun, A.**, Chakroborty, S. & Roy S., K. (2014). Speed flow estimation for four lane divided national highways in India. Proc. National Conference on Recent Research Advances in Civil Engineering (RRACE-2014) held on 7-8 November 2014 at Osmania University, UCE, Hyderabad, India, pp. 14-21
3. Yadav, A., **Arun, A.** & Velmurugan, S. (2014). Roadway capacity estimation for multi-lane inter-urban highways in India. Proc. Colloquium on Transportation Systems Engineering and Management (CTSEM-2014) held on 12-13 May 2014 at NIT Calicut, India