1.	Record Nr.	UNINA9910254220003321
	Autore	Soper David
	Titolo	The Aerodynamics of a Container Freight Train / / by David Soper
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-33279-1
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (320 p.)
	Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190- 5053
	Disciplina	385.2042
	Soggetti	Transportation engineering Traffic engineering Fluids Quality control Reliability Industrial safety Transportation Technology and Traffic Engineering Fluid- and Aerodynamics
		Quality Control, Reliability, Safety and Risk
	Lingua di pubblicazione	Quality Control, Reliability, Safety and Risk Inglese
	Lingua di pubblicazione Formato	Quality Control, Reliability, Safety and Risk Inglese Materiale a stampa
	Lingua di pubblicazione Formato Livello bibliografico	Quality Control, Reliability, Safety and Risk Inglese Materiale a stampa Monografia
	Lingua di pubblicazione Formato Livello bibliografico Note generali	Quality Control, Reliability, Safety and Risk Inglese Materiale a stampa Monografia Description based upon print version of record.
	Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di bibliografia	Quality Control, Reliability, Safety and Risk Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references at the end of each chapters.
	Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di bibliografia Nota di contenuto	Quality Control, Reliability, Safety and Risk Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references at the end of each chapters. Introduction Literature Review Slipstream Experiment Setup Slipstream Data Processing Methodology Slipstream Data Analysis, Results and Discussion Aerodynamic Load Experiment Setup Aerodynamic Load Experiment Processing Methodology Aerodynamic Load Analysis, Results and Discussion Conclusions and Recommendations for Further Work.

with full scale data and assessed in terms European standards for trackside worker and passenger safety limits. Rail vehicle aerodynamic studies have tended to previously focus on high speed passenger trains in line with increases in train speed. The research presented within this thesis highlights the issues associated with the aerodynamic development around a freight train, providing the foundations for further research and a basis from which to develop international safety standards in relation to freight, as well as high speed trains.