Record Nr. UNINA9910346919603321 Autore Killat Moritz Titolo The impact of inter-vehicle communication on vehicular traffic Pubbl/distr/stampa KIT Scientific Publishing, 2009 **ISBN** 1000013827 Descrizione fisica 1 electronic resource (XVI, 160 p. p.) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto The work addresses communication networks established over radio equipped vehicles in our everyday road traffic, so called Vehicular Ad Hoc Networks (VANETs), and discusses their impact on two major goals, namely traffic safety and traffic efficiency. For both objectives, the thesis proposes an appropriate modeling of the essential building blocks Traffic, Communication and Application and enables impact assessment studies by means of implemented simulation tools.