1. Record Nr. UNINA9910377823603321

Titolo	Advances in Dynamics of Vehicles on Roads and Tracks : Proceedings of the 26th Symposium of the International Association of Vehicle System Dynamics, IAVSD 2019, August 12-16, 2019, Gothenburg, Sweden / / edited by Matthijs Klomp, Fredrik Bruzelius, Jens Nielsen, Angela Hillemyr
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38077-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXVIII, 1925 p. 1423 illus., 700 illus. in color.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	629.049
Soggetti	Automotive engineering Multibody systems Vibration Mechanics, Applied Mechatronics Automotive Engineering Multibody Systems and Mechanical Vibrations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Active Suspension -- Condition Monitoring -- Pantograph-catenary Dynamics -- Safety and Derailment Analysis -- Switches and Crossings -- Track Modelling -- Traction & Braking -- Vehicle Design and Components -- Vehicle Modelling -- Wheel and Rail Contact -- Wheel and Rail Damage -- Wheel and Rail Profiles -- Wheel and Rail Wear -- Vibration and Control -- Drining Automation -- Dynamics of Specialized Vehicles -- Handling Dynamics -- Integrated Chassis Control -- Powertrain and Driveline Control -- State Estimation -- Suspension and Ride Analysis -- Tyre Modelling.
Sommario/riassunto	This book gathers together papers presented at the 26th IAVSD Symposium on Dynamics of Vehicles on Roads and Tracks, held on August 12 – 16, 2019, at the Lindholmen Conference Centre in Gothenburg, Sweden. It covers cutting-edge issues related to vehicle

systems, including vehicle design, condition monitoring, wheel and rail contact, automated driving systems, suspension and ride analysis, and many more topics. Written by researchers and practitioners, the book offers a timely reference guide to the field of vehicle systems dynamics, and a source of inspiration for future research and collaborations .