

1. Record Nr.	UNISA996574846503316
Titolo	2828-2021 - IEEE guide for measuring method of overhead power transmission line galloping based on monocular video // IEEE
Pubbl/distr/stampa	[Place of publication not identified] : , : IEEE, , 2021
ISBN	1-5044-7565-8
Descrizione fisica	1 online resource
Disciplina	658.05
Soggetti	Data processing Phase-locked loops
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Overhead transmission line galloping is common in many countries, and the measurement and research for galloping have become increasingly necessary. Meanwhile, the development of machine vision technology provides a good technical basis for the field measurement of galloping. Galloping measurement is to obtain its characteristic parameters, such as galloping amplitude, frequency, loops number, and traces, which are the basis for galloping mechanism research and anti-galloping scheme development. In order to guide the field measurement of galloping, this guide has been developed to specify the monocular video-based measurement process, data processing and analysis method. The measuring method recommended in this guide has such advantages as non-contact, multi-point synchronous, and wide range measurement.

2. Record Nr.	UNINA9910299899903321
Titolo	Advances in Internal Combustion Engine Research // edited by Dhananjay Kumar Srivastava, Avinash Kumar Agarwal, Amitava Datta, Rakesh Kumar Maurya
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-7575-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XI, 345 p. 197 illus., 159 illus. in color.)
Collana	Energy, Environment, and Sustainability, , 2522-8366
Disciplina	621.4023
Soggetti	Engines Machinery Automotive engineering Fossil fuels Engine Technology Automotive Engineering Fossil Fuels (incl. Carbon Capture)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part I General -- Introduction to Horizons in Internal Combustion Research -- Part II Advanced Technology for Internal Combustion Engines -- Low Temperature Combustion: An Advanced Technology for Internal Combustion Engines -- Characterization of Ringing Operation in Ethanol Fueled HCCI Engine using Chemical Kinetics and Artificial Neural Network -- Variable Valve Actuation Systems -- Performance, Combustion and Emissions Characteristics of Conventional Diesel Engine Using Butanol Blends -- Hydrogen Enriched Compressed Natural Gas: An Alternate Fuel for IC Engines -- Characterization of Cycle to Cycle Variations in Conventional Diesel Engine Using Wavelets -- Part III Exhaust After-treatment and its Heat Recovery -- Recent Advancements in After-treatment Technology for Internal Combustion Engines: An Overview -- Calcium Oxide Nanoparticles as an Effective Filtration Aid for Purification of Vehicle Gas Exhaust -- Exhaust Heat Recovery using Thermoelectric Generators: A Review -- Part IV Numerical/ Simulation -- Chemical Kinetic Simulation of Syngas Fueled

HCCI Engine -- Gasoline Compression Ignition – A Simulation-Based Perspective -- Application of C.F.D. for Analysis and Design of I.C. Engines -- Part V Next Step for Indian Automotive Industry -- Future Mobility Solutions of Indian Automotive Industry: BS-VI, Hybrid and Electric Vehicles.

Sommario/riassunto

This book discusses all aspects of advanced engine technologies, and describes the role of alternative fuels and solution-based modeling studies in meeting the increasingly higher standards of the automotive industry. By promoting research into more efficient and environment-friendly combustion technologies, it helps enable researchers to develop higher-power engines with lower fuel consumption, emissions, and noise levels. Over the course of 12 chapters, it covers research in areas such as homogeneous charge compression ignition (HCCI) combustion and control strategies, the use of alternative fuels and additives in combination with new combustion technology and novel approaches to recover the pumping loss in the spark ignition engine. The book will serve as a valuable resource for academic researchers and professional automotive engineers alike.
