

1. Record Nr.	UNINA9910787138703321
Titolo	Research, production and use of steel ropes, conveyors and hoisting machines : selected, peer reviewed papers from the Conference on Research, Production and Use of Steel Ropes, Conveyors and Hoisting Machines (VVaPOL 2014), September 23-26, 2014, Podbanske, High Tatras, Slovakia // edited by Viero Slav Molnar and Gabriel Fedorko
Pubbl/distr/stampa	Switzerland : , : Trans Tech Publications, , [2014] ©2014
ISBN	3-03826-700-7
Descrizione fisica	1 online resource (272 p.)
Collana	Applied mechanics and materials, , 1660-9336 ; ; volume 683
Disciplina	621
Soggetti	Steel wire Hoisting machinery - Design and construction Steel wire - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research, Production and Use of Steel Ropes, Conveyors and Hoisting Machines; Preface; Table of Contents; I. Research, Production and Use of Steel Ropes; A Wire Contact in the Construction of a Steel Rope; Analysis of Operation of Carrying-Hauling Ropes of Monocable Aerial Ropeways in Poland; Aviator System as an Alternative to Warehouse Handling Devices; Determination of Elastic Modulus of Steel Wire Ropes for Computer Simulation; Effect of Operational Condition Changes on the Durability of the Rope for Pusher of Circular Wagon Tipper Multi-Criteria Evaluation - A Tool for the Selection of Steel Wire Rope Non-Destructive Testing of Steel Wire Rope Transmission Area to Rope End by Magnetic Flux Leakage; Qualitative Assessment of the Working Condition of Ropes in Rope Attachments; Rope Mechanisms, Quality and Safety Management in Logistics Facilities; Study of Steel Wire Ropes Defects; The Possibility of Products Consumption Forecasting Having a Seasonal Character in Ensurance of Steel Wire Ropes Maintenance; Two Alternatives for Mathematical Expression of Triangular Strands in Six Strand Ropes

II. Research Production and Use of Conveyors Advantages of High Angle Belt Conveyors (Hac) in Mining; Analysis of the SCI, SCI-E and SSCI Journals in the Fields of Mining Transport, Haulage and Hoisting; Application of Reverse Logistics Processes in Belt Conveying; Application of SELBESTTRA Software for Choosing a Transportation System for Mineral Raw Materials through Special Protection Areas; Application the Renewal Theory to Determining the Models of the Optimal Lifetime for Conveyor Belts; Belt Damage Aspect to Impact Loading
Computerised Decision-Making Support System Based on Data Fusion for Machinery System's Management and Maintenance Conveyor New Concept for Parcel Logistics in Air Transport; Effect of Strength Parameters and the Structure of Steel Cord Conveyor Belts on Belt Puncture Resistance; Evaluation of the Effectiveness of an Eco-Friendly Technology for Splicing Steel Cord Conveyor Belts; Identification of Factors Causing Damage to Conveyor Belts during the Transportation of Coal; Implementation of the Concorde Transport System in the Production
Influences of Surface Determination for Measurements Obtained by Industrial Computed Tomography Mathematical Model for Determining the Lifetime of Conveyor Belts Depending on some Selected Parameters; Mathematical Modelling of the Process of Conveyor Belt Damage Caused by the Impact Stress; Numerical Models of Rubber-Textile Composites of Conveyor Belts; Possibilities of Experiments and of Using Experimental Results Obtained from the Test Equipment for Measuring Properties of Conveyor Belts Pipe Conveyor
Recent Developments in Vibration Based Diagnostics of Gear and Bearings Used in Belt Conveyors

Sommario/riassunto

Collection of selected, peer reviewed papers from the conference on Research, production and use of steel wire ropes, conveyors and hoisting machines (VVaPOL 2014), September 2014 Podbanske, High Tatras, Slovakia. The 44 papers are grouped as follows: I. Research, Production and Use of Steel Ropes, II. Research Production and Use of Conveyors, III. Research Production and Use of Hoisting Machines and Vertical Conveying.
