1.	Record Nr.	UNINA9910711739203321
	Autore	Sundin Gary
	Titolo	Natural resource condition assessment for Cumberland Gap National Historical Park / / Gary Sundin [and four others]
	Pubbl/distr/stampa	Fort Collins, Colorado : , : U.S. Department of the Interior, National Park Service, Natural Resource Stewardship and Science, , 2013
	Descrizione fisica	1 online resource (xxi, 189 pages) : illustrations (chiefly color), color maps
	Collana	Natural resource report ; ; NPS/CUGA/NRR--2013/620
	Soggetti	Habitat (Ecology) - Cumberland Gap National Historical Park
		Plants - Cumberland Gap National Historical Park
		Animals - Cumberland Gap National Historical Park
		Cumberland Gap National Historical Park Environmental conditions
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	"January 2013."
		"NPS 380/119657"--Page ii.
	Nota di bibliografia	Includes bibliographical references (pages 145-158).

2.	Record Nr.	UNINA9910809272303321
	Titolo	Mechanical, industrial and manufacturing technologies : selected, peer reviewed papers from the 2012 3rd International Conference on Mechanical, Industrial and Manufacturing Technologies (MIMT 2012), March 24-25, 2012, Shenzhen, China / / edited by Li Kai
	Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications Ltd, , [2012] ©2012
	ISBN	3-03813-854-1
	Descrizione fisica	1 online resource (336 p.)
	Collana	Applied mechanics and materials, , 1662-7490 ; ; volume 187
	Altri autori (Persone)	KaiLi
	Disciplina	620.1
	Soggetti	Technology Mechanical engineering Production engineering Industrial engineering Manufacturing processes
	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 indexes.
	Nota di contenuto	Mechanical, Industrial and Manufacturing Technologies; Preface and Committees; Table of Contents; Chapter 1: Research in Numerical Simulation and Optimisation; Numerical Simulation on Shock Initiation of Double-Shell Charges by High Velocity Impact; Research on Simulation System of Aero-Generator; Real-Time Attitude Simulation of Aerocraft Using dSPACE Emulator and Three-Axis Turn Table; Electric Vehicle Transmission Gear Ratio Optimization Based on Particle Swarm Optimization; Numerical Simulation Research on the Hydrodynamic Forces Acting on a Tanker in Oblique Motion Study on the Efficiency Optimization of U-Shaped Curve Rail Type AS/RSChapter 2: Characteristic Studies of Mechanical and Material Systems; Study on Sheet Bonding and Break Strength Characteristics; Static and Dynamic Stiffness Characteristics Analysis of Hydro-Pneumatic Suspension; Evaluation of Tensile Properties of Pressure Vessel Materials by Shear Punch Test Method; Analysis of the Dynamic Response of a Cracked Beam Structure; Visualization of Supersonic

Non-Newtonian Liquid Jets

Deformation and Stresses Analysis in FG Rotating Hollow Disk and Cylinder Subjected to Thermal and Mechanical LoadTest and Numerical Analysis of Underwater Explosion on Circular Plates; Comparing of the Welding Atmosphere Moisture Effect on Hydrogen Distribution in TI-6AL-4V, Pure Commercial Titanium and TI-15V-3CR-3SN-3AL Weld Joints; Chapter 3: Chaotic States and Analysis of Systems; Design and Research of Electric Vehicle Driving System Based on SOPC; Study on the Temperature Filed of Wet Dual Clutch Transmission during Starting Process

Research on Taylor Vortices in the Wedge-Shaped Air Gap of Evaporation Cooling Turbo GeneratorOmni-Vision System of Intelligent Car Based on DSP & FPGA; Finite-Time Chaos Control and Synchronization of the New Chaotic System with Unknown Parameters; Chaotic Analysis of the Velocity Signal in Impinging Stream Mixer; Modeling and Experiment on Active Vibration Control of Hydraulic Excitation System; The Study of Ball and Plate System Based on Non-Linear PID; Finite Element Analysis of the Static/Dynamic Behavior of Wind Turbine Gearbox

Design of Auto Route Identified Vehicle Model Based on MC9S12XS128Finite Element Analysis of Flextensional Transducer with Slotted Shell; Chapter 4: Vibrational Analysis and Mechanics of Structures etc.; Experimental Study on Bending Capacity of Plain Wall System; Gear Vibration Monitoring System Based on Virtual Instruments; Design and Dynamic Walking Control of Humanoid Robot SCUT-I; Maximum Bending Moment and Maximum Additional Bending Moment for High Vertical Vessels under Wind Pressure; Experimental Research on Trajectory Control of Walking Rehabilitation Training Robot Kinematics Simulation and Control System Design of Serial Robot Based on ADAMS and Pro/E

Sommario/riassunto	These proceedings consist of the fully refereed papers presented at the conference. The main conference themes were Mechanical Engineering, Materials and Energy. The peer-reviewed papers are divided into six chapters: Research in Numerical Simulation and Optimisation; Characteristic Studies of Mechanical and Material Systems; Chaotic States and Analysis of Systems; Vibrational Analysis and Mechanics of Structures etc.; Materials Science and Technologies; Mechanical/Automotive Systems and Allied Topics.