1. Record Nr. UNIBAS000020029

Autore	Ohly, Dieter
Titolo	Die Aegineten : die Marmorskulpturen des Tempels der Aphaia auf Aegina : ein Katalog der Glyptothek München / Dieter Ohly
Pubbl/distr/stampa	München : Beck
ISBN	3-406-06271-7
Descrizione fisica	v. : ill. ; 34 cm.
Disciplina	733.3
Soggetti	Decorazione architettonica - Egina
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1: c1976 - XV, 116 p. + 76 c. di tav., [5] c. di tav. ripieg. - In custodia

2. Record Nr. UNISALENTO991001407699707536

Autore	Wilton-Ely, John
Titolo	Piranesi / John Wilton-Ely
Pubbl/distr/stampa	Milano : Electa, 1994
Descrizione fisica	319 p. : ill. ; 28 cm.
Soggetti	Piranesi, Giovanni Battista
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNISALENTO991003226639707536

Titolo	Plant engineer's handbook [e-book] / edited by R. Keith Mobley
Pubbl/distr/stampa	Boston : Butterworth-Heinemann, c2001
ISBN	9780750673280 0750673281
Descrizione fisica	xii, 1189 p. : ill. ; 28 cm
Altri autori (Persone)	Mobley, R. Keith, 1943-
Disciplina	696
Soggetti	Plant engineering - Handbooks, manuals, etc Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Note generali	Includes index
Nota di contenuto	Definition and Organization of the Plant Engineering Function; Plant Engineering in Britain; The Role of the Plant Engineer; Physical Considerations in Site Selection; Plant Location; Industrial Buildings; Planning and Plant Layout; Contracts and Specifications; Industrial Flooring; Lighting; Insulation; Paint Coatings for the Plant Engineer; Insurance: Plant and Equipment; Insurance: Buildings and Risks; Electricity Generation; Electrical Distribution and Installation; Electrical Instrumentation; Oil; Gas; Liquefied Petroleum Gas; Coal and Ash; Steam Utilization; Industrial Boilers; Combustion Equipment; Economizers; Heat Exchangers; Heating; Ventilation; Air Conditioning; Energy Conservation; Water and Effluents; Pumps and Pumping; Centrifugal Pump Installation; Cooling Towers; Compressed Air Systems; Compressors; Fans and Blowers; Mixers and Agitators; Gears and Gearboxes; Hydraulic Fundamentals; Pneumatic Fundamentals; Noise and Vibration; Vibration Fundamentals; Vibration Monitoring and Analysis; Air Pollution; Dust and Fume Control; Dust Collection Systems; Maintenance Management in UK; Effective Maintenance Management; Predictive Maintenance; Planning and Scheduling Outages; Lubrication; Corrosion; Shaft Alignment; Rotor Balancing; Packing and Seals; Gears and Gear Drives; Flexible Intermediate Drives; Couplings and Clutches; Bearings; Finance for the Plant Engineer; Statistical Approaches in Machinery Problem Solving; Health and Safety

in the UK; Regulatory Compliance Issues in the US; Index

Sommario/riassunto

Plant engineers are responsible for a wide range of industrial activities, and may work in any industry. This means that breadth of knowledge required by such professionals is so wide that previous books addressing plant engineering have either been limited to only certain subjects or cursory in their treatment of topics. The Plant Engineering Handbook offers comprehensive coverage of an enormous range of subjects which are of vital interest to the plant engineer and anyone connected with industrial operations or maintenance. This handbook is packed with indispensable information, from defining just what a Plant Engineer actually does, through selection of a suitable site for a factory and provision of basic facilities (including boilers, electrical systems, water, HVAC systems, pumping systems and floors and finishes) to issues such as lubrication, corrosion, energy conservation, maintenance and materials handling as well as environmental considerations, insurance matters and financial concerns. One of the major features of this volume is its comprehensive treatment of the maintenance management function; in addition to chapters which outline the operation of the various plant equipment there is specialist advice on how to get the most out of that equipment and its operators. This will enable the reader to reap the rewards of more efficient operations, more effective employee contributions and in turn more profitable performance from the plant and the business to which it contributes. The Editor, Keith Mobley and the team of expert contributors, have practiced at the highest levels in leading corporations across the USA, Europe and the rest of the world. Produced in association with Plant Engineering magazine, this book will be a source of information for plant engineers in any industry worldwide. * A Flagship reference work for the Plant Engineering series * Provides comprehensive coverage on an enormous range of subjects vital to plant and industrial engineer * Includes an international perspective including dual units and regulations

4. Record Nr. UNINA9910819517003321

Autore	Vepa Ranjan
Titolo	Dynamics of smart structures / / Ranjan Vepa
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley, 2010
ISBN	9786612548543 9781282548541 1282548549 9780470710623 0470710624 9780470710616 0470710616
Edizione	[1st ed.]
Descrizione fisica	1 online resource (412 p.)
Disciplina	624.1
Soggetti	Smart materials Smart structures
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	DYNAMICS OF SMARTSTRUCTURES; Contents; Preface; 1 From Smart Materials to Smart Structures; 1.1 Modern Materials: A Survey; 1.1.1 Polymers; 1.1.2 Structure and Classification of Polymers; 1.1.3 Characteristic Properties of Polymers; 1.1.4 Applications of Polymers; 1.2 Ceramics; 1.2.1 Properties of Ceramics; 1.2.2 Applications of Ceramics; 1.3 Composites; 1.3.1 Micro- and Macrocomposites; 1.3.2 Fibre-reinforced Composites; 1.3.3 Continuous-fibre Composites; 1.3.4 Short-fibre Composites; 1.3.5 Fibre-matrix Composites; 1.4 Introduction to Features of Smart Materials 1.4.1 Piezoelectric, Piezoresistive and Piezorestrictive1.4.2 Electrostrictive, Magnetostrictive and Magnetoresistive; 1.4.3 The Shape Memory Effect; 1.4.4 Electro- and Magnetorheological Effects; 1.5 Survey of Smart Polymeric Materials; 1.5.1 Novel Inorganic Thin Film Materials; 1.5.2 Integrative Polymeric Microsystems; 1.5.3 Electroactive Polymers; 1.6 Shape Memory Materials; 1.6.1 Shape Memory Alloys; 1.6.2 Magnetically Activated Shape Memory Alloys; 1.6.3 Shape Memory Polymers; 1.7 Complex Fluids and Soft Materials; 1.7.1 Self-assembled

Fluids; 1.7.2 Electro- and Magnetorheological Fluids
1.7.3 Smart Polyelectrolyte Gels1.8 Active Fibre Composites; 1.9 Optical Fibres; 1.10 Smart Structures and Their Applications; 1.10.1 Medical Devices; 1.10.2 Aerospace Applications; 1.10.3 Structural Health Monitoring; 2 Transducers for Smart Structures; 2.1 Introduction; 2.2 Transducers for Structural Control; 2.2.1 Resistive Transducers; 2.2.2 Inductive Transducers; 2.2.3 Capacitive Transducers; 2.2.4 Cantilever-type Mechanical Resonator Transducers; 2.2.5 Eddy Current Transducer; 2.2.6 Balancing Instruments; 2.2.7 Transduction Mechanisms in Materials
2.2.8 Hydrodynamic and Acoustic Transduction Mechanisms2.2.9 Transducer Sensitivities, Scaling Laws for Example Devices; 2.2.10 Modelling and Analysis of a Piezoelectric Transducer; 2.3 Actuation of Flexible Structures; 2.3.1 Pre-stressed Piezoelectric Actuators; 2.3.2 Shape Memory Material-based Actuators; 2.4 Sensors for Flexible and Smart Structures; 2.4.1 Resonant Sensors; 2.4.2 Analysis of a Typical Resonant Sensor; 2.4.3 Piezoelectric Accelerometers; 2.4.4 The Sensing of Rotational Motion; 2.4.5 The Coriolis Angular Rate Sensor; 2.5 Fibre-optic Sensors
2.5.1 Fibre Optics: Basic Concepts2.5.2 Physical Principles of Fibre-optic Transducers; 2.5.3 Optical Fibres; 2.5.4 Principles of Optical Measurements; 2.5.5 Fibre-optic Transducers for Structural Control; 3 Fundamentals of Structural Control; 3.1 Introduction; 3.2 Analysis of Control Systems in the Time Domain; 3.2.1 Introduction to Time Domain Methods; 3.2.2 Transformations of State Variables; 3.2.3 Solution of the State Equations; 3.2.4 State Space and Transfer Function Equivalence; 3.2.5 State Space Realizations of Transfer Functions; 3.3 Properties of Linear Systems
3.3.1 Stability, Eigenvalues and Eigenvectors

Sommario/riassunto

Dynamics of Smart Structures is a practical, concise and integrated text that provides an introduction to the fundamental principles of a field that has evolved over the recent years into an independent and identifiable subject area. Bringing together the concepts, techniques and systems associated with the dynamics and control of smart structures, it comprehensively reviews the differing smart materials that are employed in the development of the smart structures and covers several recent developments in the field of structural dynamics. Dynamics of Smart Structures has been d