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Titolo	Smart'13 : smart materials and structures : selected, peer reviewed papers from the VI Ecomas Thematic Conference on Smart Structures and Materials (SMART'13), June 24-26, 2013, Torino, Italy / / edited by Erasmo Carrera [and three others]
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , [2013] ©2013
ISBN	3-03826-141-6
Descrizione fisica	1 online resource (177 p.)
Collana	Advanced materials research ; ; 745
Altri autori (Persone)	CarreraErasmo
Disciplina	620.11 620.112/99
Soggetti	Smart materials Smart structures Electronic books.
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	SMART'13: Smart Materials and Structures; Preface and Committees; Table of Contents; Three-Dimensional Exact Analysis of Laminated Piezoelectric Plates and Shells; Recent Advances in Computational Methods for Microsystems; Smart Flow Control with Riblets; Optimisation of a Hybrid Energy Scavenger with Piezoelectric/Magnetic Coupling for Sensor-Bearing Units; Mechatronic System Integration Potential for Different Applications; Design of Piezoelectric Sensors for Structural and Health Monitoring Based on the Principle of Virtual Work Continuous Dynamic Monitoring of Bridges: Different Perspectives of Application Analysis of Three-Dimensional Piezo-Electric Beams via a Unified Formulation; Giant Displacements in IPMC-Based Structures: A Preliminary Study; Active Moving Polymers and Multifunctional Composites: Shape the Future Structures; Control of Wall Turbulence by Spinning Discs; On Gradient Elasticity and Discrete Peridynamics with Applications to Beams and Plates; Wireless Structural Sensing; Smart Nano-Systems and Inflammatory Reactions; Keywords Index; Authors Index

## Sommario/riassunto

Smart materials and structures is an area of technology which has been around for approximately 30 years or more where materials and structures are augmented by sensing and actuation functionality, and those functions are combined with control elements, all becoming an integral part of the materials and structures considered. This book collects selected Plenary Lectures and Key-Note Lectures from the VI Eccomas Thematic Conference on Smart Structures and Materials (SMART'13), June 24-26, 2013, Torino, Italy. The conference deals with materials and structures that are augmented with sensing and

2. Record Nr.	UNINA9910917296703321
Autore	Knight G. R.
Titolo	Sugar, Steam and Steel: The Industrial Project in Colonial Java, 1830-1850 / G. Roger Knight
Pubbl/distr/stampa	University of Adelaide Press, 2014 [s.l.] : , : University of Adelaide Press, , 2014
Descrizione fisica	1 online resource (1 p.)
Soggetti	Sugar - Manufacture and refining Sugar trade - Indonesia - Java - History Java (Indonesia) History 19th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages) and index.
Nota di contenuto	Frontmatter Contents Abbreviations and Glossary Acknowledgements Introduction: Java Sugar, an Industrial Project and the 'Oriental Cuba', 1830-85 Part I - The 'Industrial Revolution' in Sugar Manufacture 1 - Java's Singular Trajectory: Steam, Steel and the Industrial Project in Sugar 2 - A Creole Prometheus: Steam, Paddle Boats and Sugar Factories 3 - The Industrial Sugar Factory: Wonopringgo, Thomas Edwards and the Nederlandsche Handel-Maatschappij (NHM) Part II - The 'Peasant' Economy, the Money Trail and the Bourgeoisie 4 - Sugar without Slaves: The Agrarian Basis for the Industrial Project 5 - The Money Trail: State, Suikerlords and Bourgeoisie Part III - Metamorphosis

Sommario/riassunto

Sugar, Steam and Steel is about cane sugar and the transformation of an Indonesian island into the 'Oriental Cuba' during the middle decades of the nineteenth century. Between the 1830s and the 1880s, sweetener manufacture in Dutch-controlled Java - the crown jewel of the erstwhile Netherlands Indies - drew decisively away in matters of technology and sugar science from other Asian centres of production which had once equaled or, more often, surpassed it in terms of both output and know-how. Along with its larger and altogether more famous Caribbean counterpart, Java's industry came to occupy a position at the apex of the trade in what had become by this date a key global commodity.

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