1. Record Nr. UNINA9910783540203321

Titolo	10th anniversary special issue [[electronic resource] /] / guest editors Abdul Raouf, Salih Duffuaa and Mohamed Ben-Daya
Pubbl/distr/stampa	Bradford, England, : Emerald Group Publishing, c2006
ISBN	1-280-54743-X 9786610547432 1-84544-959-2
Descrizione fisica	1 online resource (101 p.)
Collana	Journal of Quality in Maintenance Engineering ; ; v.12, no. 1
Altri autori (Persone)	RaoufAbdul DuffuaaSalih Ben-DayaM (Mohamed)
Disciplina	658.5
Soggetti	Plant maintenance - Quality control Total productive maintenance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; CONTENTS; EDITORIAL ADVISORY BOARD; Guest editorial; Evaluating the effectiveness of maintenance strategies; Human error in maintenance: a review; Data management for CBM optimization; Maintenance strategies for used equipment under lease; Lot sizing, preventive maintenance, and warranty decisions for imperfect production systems; A synthetic control chart for monitoring the process mean and variance; Setting initial clearance limits for sound roller expanded tube-tubesheet joints in shell and tube heat exchanger maintenance; Erratum notice
Sommario/riassunto	Maintenance has gone through many changes which have been caused by rapidly advancing technology, increasing equipment costs, training and managing very sophisticated machinery. The e-book reflects the breadth of the discipline to some extent.

2. Record Nr. UNINA9910367744703321

Autore	Lizana Angel
Titolo	Liquid Crystal on Silicon Devices: Modeling and Advanced Spatial Light Modulation Applications
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019
ISBN	3-03921-829-8
Descrizione fisica	1 online resource (172 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Liquid Crystal on Silicon (LCoS) has become one of the most widespread technologies for spatial light modulation in optics and photonics applications. These reflective microdisplays are composed of a high-performance silicon complementary metal oxide semiconductor (CMOS) backplane, which controls the light-modulating properties of the liquid crystal layer. State-of-the-art LCoS microdisplays may exhibit a very small pixel pitch (below 4 ?m), a very large number of pixels (resolutions larger than 4K), and high fill factors (larger than 90%). They modulate illumination sources covering the UV, visible, and far IR. LCoS are used not only as displays but also as polarization, amplitude, and phase-only spatial light modulators, where they achieve full phase modulation. Due to their excellent modulating properties and high degree of flexibility, they are found in all sorts of spatial light modulation applications, such as in LCOS-based display systems for augmented and virtual reality, true holographic displays, digital holography, diffractive optical elements, superresolution optical systems, beam-steering devices, holographic optical traps, and quantum optical computing. In order to fulfil the requirements in this extensive range of applications, specific models and characterization techniques are proposed. These devices may exhibit a number of degradation effects such as interpixel cross-talk and fringing field, and time flicker, which may also depend on the analog or digital backplane of the corresponding LCoS device. The use of appropriate

characterization and compensation techniques is then necessary.