1. Record Nr. UNINA9910632999003321

Autore	Stoica Lucian
Titolo	High temperature electronics design for aero engine controls and health monitoring / / Lucian Stoica, Steve Riches, Colin Johnston
Pubbl/distr/stampa	Taylor & Francis, 2016 Denmark ; ; Netherlands : , : River Publishers, , 2016 ©2016
ISBN	1-00-333842-9 1-003-33842-9 1-000-79545-4 87-93379-24-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (137 pages) : illustrations, graphs, tables
Collana	River Publishers Series in Circuits and Systems
Disciplina	621.38104
Soggetti	Electronic apparatus and appliances - Thermal properties Jet engines - Control systems Materials at high temperatures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	There is a growing desire to install electronic power and control systems in high temperature harsh environments to improve the accuracy of critical measurements, reduce the amount of cabling and to eliminate cooling systems. Typical target applications include electronics for energy exploration, power generation and control systems. Technical topics presented in this book include:• High temperature electronics market• High temperature devices, materials and assembly processes• Design, manufacture and testing of multi-sensor data acquisition system for aero-engine control• Future applications for high temperature electronicsHigh Temperature Electronics Design for Aero Engine Controls and Health Monitoring contains details of state of the art design and manufacture of electronics targeted towards a high temperature aero-engine application. High Temperature Electronics Design for Aero Engine

Controls and Health Monitoring is ideal for design, manufacturing and test personnel in the aerospace and other harsh environment industries as well as academic staff and master/research students in electronics engineering, materials science and aerospace engineering.