

1. Record Nr.	UNINA9910438215703321
Titolo	Additive manufacturing of aerospace composite structures : fabrication and reliability // edited by Rani Elhajjar
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Wallendale PA USA) : , : Society of Automotive Engineers, , 2017 [Piscataway, New Jersey] : , : IEEE Xplore, , [2017]
ISBN	1-5231-2407-5 0-7680-8406-7 0-7680-8730-9
Descrizione fisica	1 online resource (94 pages)
Collana	Society of Automotive Engineers. Electronic publications.
Disciplina	629.10688
Soggetti	Aerospace industries Composite materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- High speed tow placement system for complex surfaces with cut/clamp/& restart capabilities at 85 m/min (3350 IPM) (2006-01-3138) -- Production implementation of multiple machine, High speed fiber placement for large structures (2010-01-1877) -- Enhanced robotic automated fiber placement with accurate robot technology and modular fiber placement head (2013-01-2290) -- Composites design optimization for automated fiber placement process (2014-01-2261) -- TruPLAN advanced simulation for material kinematics behavior during manufacturing layup processes (2012-01-1856) -- Automated in-process inspection system for AFP machines (2015-01-2608) -- Future directions relative to NDE of composite structures (2004-01-2817) -- Emerging technologies for use in aerospace bonded assemblies (2013-01-2134) -- The manufacture of advanced composite parts to rigid industrial specifications - Can it be made? (2013-01-2218) -- A status of acceptance criteria and process requirements in advanced composites manufacturing, and whether they are fit for purpose (2013-01-2144).
Sommario/riassunto	Additive manufacturing of aerospace composite structures: fabrication

and reliability introduces the reader to the current state of technologies involved in processing and design of polymer-reinforced fiber composites using additive manufacturing's automated fiber placement methods, through ten seminal SAE International papers.

2. Record Nr.	UNINA9910583038703321
Autore	Allam Zaheer
Titolo	Surveying the covid-19 pandemic and its implications : urban health, data technology and political economy / / Zaheer Allam
Pubbl/distr/stampa	United Kingdom : , : Elsevier, , 2020
ISBN	0-12-824314-7 0-12-824313-9 9780128243138 0128243139
Descrizione fisica	1 online resource (vii, 143 pages) : illustrations
Disciplina	614.592414
Soggetti	Medicine, Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Surveying the Covid-19 Pandemic and Its Implications: Urban Health, Data Technology and Political Economy explores social, economic, and policy impacts of COVID-19 that will persist for some time. This timely book surveys the COVID-19 from a holistic, high level perspective, examining such topics as Urban health policy responses impact on cities economies, Urban economic impacts of supply chain disruption, The need for coherent short term urban policies that aligns with long term goals, The rise to citizen science initiatives, The role of open data, The need for protocols to support research collaborations, Building larger infectious disease modelling datasets, NS Advanced computing tools for health policy. --

3. Record Nr.	UNINA9910806879303321
Titolo	Smart and interactive textiles : selected, peer reviewed papers from CIMTEC 2012 - 4th International Conference on Smart Materials, Structures and Systems, June 10-14, 2012, Terme, Italy // edited by Pietro Vincenzini and Cosimo Carfagna
Pubbl/distr/stampa	Stafa-Zuerich : , : Trans Tech, , [2013] ©2013
ISBN	3-908158-88-5
Descrizione fisica	1 online resource (181 p.)
Collana	Advances in science and technology ; ; 80
Altri autori (Persone)	CarfagnaCosimo VincenziniP. <1939->
Disciplina	620.197
Soggetti	Smart materials Smart structures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Vol. 4 of 10 volumes from the 4th International Conference "Smart Materials, Structures and Systems".
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Smart and Interactive Textiles; Preface and Committees; Table of Contents; Chapter 1: Adaptive/Active Textiles; Smart Textiles: A Strategic Perspective of Textile Industry; Development of Piezoresistive Fiber Sensors, Based on Carbon Black Filled Thermoplastic Elastomer Compounds, for Textile Application; Integration of OLEDs in Textiles; The Concept of Mood Changing Garments Made from Luminescent Woven Fabrics and Flexible Photovoltaics "MoodWear"; Shape Memory Polymers in Textiles; Cosmeto-Textiles: State of the Art and Future Perspectives Halochromic Textile Materials as Innovative pH-Sensors Integration of Small Diameter Wire Form SMA for the Creation of Dynamic Shape Memory Textiles; Development of Paper Transistor Using Carbon-Nanotube-Composite Paper; Chapter 2: E-Textiles; Textile Sensor Applications with Composite Monofilaments of Polymer / Carbon Nanotubes; The Power Conversion Characteristics of Woven Organic Photovoltaic Wire Fabrics; Feasibility of Printing Woven Humidity and Temperature Sensors for the Integration into Electronic Textiles; Essential Building Blocks of Fibrous Transistors, Part I: Gate Layer

Improvements of Smart Garment Electronic Contact System Chapter 3: Manufacturing and Applications; Design and Optimization of an Injection-Moldable Force-Fit Interconnection Module for Smart Textile Applications; Thigmo-Morphogenetic Fiber Composites Embedded with Shape Memory Alloys; Research through Design: A Way to Drive Innovative Solutions in the Field of Smart Textiles; Washable Screen Printed Textile Antennas; Two Novel Techniques of Fabric Sensing Using Carbon Nanofibers; Smart Textiles with Biosensing Capabilities; Respiratory Volume Estimation by a Stretchable Textile Sensor Classified Catalogue for Textile Based Sensors Durable Self-Healing Super-Liquid-Repellent Fabrics; Prosys-Laser: Smart Laser Protective Textile Systems; Structural Conformability and Fluid Uptake Properties of Smart Wound Dressings; Keywords Index; Authors Index

---

## Sommario/riassunto

The 25 peer-reviewed papers collected here together offer a plenitude of up-to-date information on ""Smart and Interactive Textiles"". The papers are conveniently arranged into: Chapter 1: Adaptive/Active Textiles, Chapter 2: E-Textiles, Chapter 3: Manufacturing and Applications. Review from Book News Inc.: The 25 papers in this volume were presented during the Smart and Interactive Textiles symposium held during the CIMTEC 2012 Fourth International Conference on Smart Materials, Structures, and Systems at Montecani Terme, Italy in June 2012. The three primary topics are adaptive/active textil

---