

1. Record Nr.	UNINA9910464342803321
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 Electronic books.
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

2. Record Nr.	UNINA9910465727303321
Autore	Olds C. D (Carl Douglas), <1912-1979.>
Titolo	Continued fractions [[electronic resource] /] / by C. D. Olds
Pubbl/distr/stampa	Washington, D.C., : Mathematical Association of America, 1963
ISBN	0-88385-926-2
Descrizione fisica	1 online resource (viii, 162 pages) : digital, PDF file(s)
Collana	Anneli Lax New Mathematical Library ; ; no. 9
Disciplina	512.73
Soggetti	Continued fractions Series Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Expansion of rational fractions -- Diophantine equations -- Expansion of irrational numbers -- Periodic continued fractions -- Epilogue.
Sommario/riassunto	Continued fractions were studied by the great mathematicians of the seventeenth and eighteenth centuries and are a subject of active investigation today. Fractions of this form provide much insight into many mathematical problems particularly into the nature of numbers and the theory of continued fractions is a powerful tool in number theory and other mathematical disciplines. The author of this book presents an easy-going discussion of simple continued fractions, beginning with an account of how rational fractions can be expanded into continued fractions. Gradually the reader is introduced to such topics as the application of continued fractions to the solution of Diophantine equations, and the expansion of irrational numbers into infinite continued fractions.