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**Liquid Crystals and Display Technology** - Morteza Sasani Ghamsari  
2020-10-07

Liquid crystals have attracted scientific attention for potential applications in advanced devices. Display technology is continuously growing and expanding and, as such, this book provides an overview of the most recent advances in liquid crystals and displays. Chapters cover such topics as nematic liquid crystals, active matrix organic light-emitting diodes, and tetradentate platinum(II) emitters, among others.

**Digital Electronics 2** - Tertulien Ndjountche 2016-08-29

As electronic devices become increasingly prevalent in everyday life, digital circuits are becoming even more complex and smaller in size. This book presents the basic principles of digital electronics in an accessible manner, allowing the reader to grasp the principles of combinational and sequential logic and the underlying techniques for the analysis and design of digital circuits. Providing a hands-on approach, this work introduces techniques and methods for establishing logic equations and designing and analyzing digital circuits. Each chapter is supplemented

with practical examples and well-designed exercises with worked solutions. This second of three volumes focuses on sequential and arithmetic logic circuits. It covers various aspects related to the following topics: latch and flip-flop; binary counters; shift registers; arithmetic and logic circuits; digital integrated circuit technology; semiconductor memory; programmable logic circuits. Along with the two accompanying volumes, this book is an indispensable tool for students at a bachelors or masters level seeking to improve their understanding of digital electronics, and is detailed enough to serve as a reference for electronic, automation and computer engineers.

**Handbook of Visual Display Technology** - Janglin Chen 2012-01-23

This handbook offers a comprehensive description of the science, technology, economic and human interface factors associated with the displays industry. With expert contributions from over 150 international display professionals and academic researchers, it covers all classes of display device and discusses established principles, emergent technologies, and particular areas of application.

## **Cockpit Displays - 2001**

Micro Light Emitting Diode: Fabrication and Devices - Jong-Hyun Ahn 2021

This book focuses on basic fundamental and applied aspects of micro-LED, ranging from chip fabrication to transfer technology, panel integration, and various applications in fields ranging from optics to electronics to and biomedicine. The focus includes the most recent developments, including the uses in large large-area display, VR/AR display, and biomedical applications. The book is intended as a reference for advanced students and researchers with backgrounds in optoelectronics and display technology. Micro-LEDs are thin, light-emitting diodes, which have attracted considerable research interest in the last few years. They exhibit a set of exceptional properties and unique optical, electrical, and mechanical behaviors of fundamental interest, with the capability to support a range of important exciting applications that cannot be easily addressed with other technologies. The content is divided into two parts to make the book approachable to readers of various backgrounds and interests. The first provides a detailed description with fundamental materials and production approaches and assembly/manufacturing strategies designed to target readers who seek an understanding of essential materials and production approaches and assembly/manufacturing strategies designed to target readers who want to understand the foundational aspects. The second provides detailed, comprehensive coverage of the wide range of device applications that have been achieved. This second part targets readers who seek a detailed account of the various applications that are enabled by micro-LEDs. .

Optical Imaging and Metrology - Wolfgang Osten 2012-09-10

A comprehensive review of the state of the art and advances in the field, while also outlining the future potential and development trends of optical imaging and optical metrology, an area of fast growth with numerous applications in nanotechnology and nanophysics. Written by the world's leading experts in the field, it fills the gap in the current

literature by bridging the fields of optical imaging and metrology, and is the only up-to-date resource in terms of fundamental knowledge, basic concepts, methodologies, applications, and development trends.

**From Photon to Pixel** - Henri Maître 2015-10-26

The digital camera conceals remarkable technological innovations that affect the formation of the image, the color representation or automated measurements and settings. **\*\* From photon to pixel photon \*\*** describes the device both from the point of view of the physics of the phenomena involved, as technical components and software it uses. Based on the perceptual properties of the visual system as well as on standard transmission and representation, analyzes the solutions to meet the demands of the photographer on the development, contrast, white balance or stabilization of image. The advanced architectures adopted in mobile phones and developments of computational photography are also presented, foreshadowing the features of the future device.

**Frontiers of Engineering** - National Academy of Engineering 2017-01-30

This volume presents papers on the topics covered at the National Academy of Engineering's 2016 US Frontiers of Engineering Symposium. Every year the symposium brings together 100 outstanding young leaders in engineering to share their cutting-edge research and innovations in selected areas. The 2016 symposium was held September 19-21 at the Arnold and Mabel Beckman Center in Irvine, California. The intent of this book is to convey the excitement of this unique meeting and to highlight innovative developments in engineering research and technical work.

**State of the Art Virtual Reality and Augmented Reality Knowhow** - Nawaz Mohamudally 2018-05-23

State-of-the-Art Virtual Reality and Augmented Reality Knowhow is a compilation of recent advancements in digital technologies embracing a wide arena of disciplines. Amazingly, this book presents less business cases of these emerging technologies, but rather showcases the scientific use of VR/AR in healthcare, building industry and education. VR and AR are known to be resource intensive, namely, in terms of hardware and

wearables - this is covered in a chapter on head-mounted display (HMD). The research work presented in this book is of excellent standard presented in a very pragmatic way; readers will appreciate the depth and breadth of the methodologies and discussions about the findings. We hope it serves as a springboard for future research and development in VR/AR and stands as a lighthouse for the scientific community.

**Digital Electronics 1** - Tertulien Ndjountche 2016-06-17

The omnipresence of electronic devices in our everyday lives has been accompanied by the downscaling of chip feature sizes and the ever increasing complexity of digital circuits. This book is devoted to the analysis and design of digital circuits, where the signal can assume only two possible logic levels. It deals with the basic principles and concepts of digital electronics. It addresses all aspects of combinational logic and provides a detailed understanding of logic gates that are the basic components in the implementation of circuits used to perform functions and operations of Boolean algebra. Combinational logic circuits are characterized by outputs that depend only on the actual input values. Efficient techniques to derive logic equations are proposed together with methods of analysis and synthesis of combinational logic circuits. Each chapter is well structured and is supplemented by a selection of solved exercises covering logic design practices.

**Du photon au pixel** - Henri Maître 2016-09-01

L'appareil photographique numérique cache des innovations technologiques remarquables qui concernent la formation de l'image, la représentation des couleurs ou l'automatisation des mesures et des réglages. Du photon au pixel décrit l'appareil aussi bien du point de vue de la physique des phénomènes mis en jeu, que de la technique des composants et des logiciels qu'il emploie. S'appuyant sur les propriétés perceptuelles du système visuel ainsi que sur les standards de transmission et de représentation, il analyse les solutions proposées pour répondre aux demandes du photographe concernant la mise au point, le contraste, la balance des blancs ou la stabilisation de l'image. Les architectures avancées adoptées dans les téléphones mobiles et les développements de la photographie computationnelle sont également

présentés, préfigurant les fonctionnalités de l'appareil futur. Enrichie de nouvelles illustrations, cette seconde édition corrigée et mise à jour est complétée par un état de l'art des travaux dédiés à la caractérisation de l'esthétique en photographie.

**Introduction to Flat Panel Displays** - Jiun-Haw Lee 2020-06-10

Introduction to Flat Panel Displays describes the fundamental physics and materials of major flat panel display technologies including LED, OLED, LCD, PDP and FED and reflective displays. A reference for graduate students and new entrants to the display industry, the book currently covers the basic science behind each display technology and gives solved problems and homework problems in each chapter to aid self-study. With advancements in this field, there is enough change in the FPD industry to justify a second edition. This book offers the latest information on modern display technology and features new developments in OLED materials including phosphorescent, TTA, and TADF OLEDs, white light OLED and light extraction. It provides key information on blue phase, automotive lighting, quantum-dot enhanced LCDS, device configurations and performance, and LEDs, specifically nitrate-based. Application features include OLED for mobile, TV, light and flexible OLED, and reflective display specifically e-paper technology and low power consumption displays.

**Opto-Ireland 2002** - Werner J. Blau 2003

**Non-volatile Memories** - Pierre-Camille Lacaze 2014-12-15

Written for scientists, researchers, and engineers, Non-volatile Memories describes the recent research and implementations in relation to the design of a new generation of non-volatile electronic memories. The objective is to replace existing memories (DRAM, SRAM, EEPROM, Flash, etc.) with a universal memory model likely to reach better performances than the current types of memory: extremely high commutation speeds, high implantation densities and retention time of information of about ten years.

**Standard & Poor's Stock Reports** - 2002-03

*Information Display* - 2008

**Conference Record of ... International Display Research Conference** - 2004

**Optical MEMS** - Huikai Xie 2019-08-06

This book is a printed edition of the Special Issue Optical MEMS that was published in *Micromachines*

Nanoelectromechanical Systems - Laurent Duraffourg 2015-06-02

This book will present the theoretical and technological elements of nanosystems. Among the different topics discussed, the authors include the electromechanical properties of NEMS, the scaling effects that give these their interesting properties for different applications and the current manufacturing processes. The authors aim to provide useful tools for future readers and will provide an accurate picture of current and future research in the field.

*Gale Directory of Publications & Broadcast Media 142* - 2007-07-01

**Flat Panel Display Manufacturing** - Jun Souk 2018-09-24

An extensive introduction to the engineering and manufacture of current and next-generation flat panel displays This book provides a broad overview of the manufacturing of flat panel displays, with a particular emphasis on the display systems at the forefront of the current mobile device revolution. It is structured to cover a broad spectrum of topics within the unifying theme of display systems manufacturing. An important theme of this book is treating displays as systems, which expands the scope beyond the technologies and manufacturing of traditional display panels (LCD and OLED) to also include key components for mobile device applications, such as flexible OLED, thin LCD backlights, as well as the manufacturing of display module assemblies. Flat Panel Display Manufacturing fills an important gap in the current book literature describing the state of the art in display manufacturing for today's displays, and looks to create a reference the development of next generation displays. The editorial team brings a

broad and deep perspective on flat panel display manufacturing, with a global view spanning decades of experience at leading institutions in Japan, Korea, Taiwan, and the USA, and including direct pioneering contributions to the development of displays. The book includes a total of 24 chapters contributed by experts at leading manufacturing institutions from the global FPD industry in Korea, Japan, Taiwan, Germany, Israel, and USA. Provides an overview of the evolution of display technologies and manufacturing Treats display products as systems with manifold applications, expanding the scope beyond traditional display panel manufacturing to key components for mobile devices and TV applications Provides a detailed overview of LCD manufacturing, including panel architectures, process flows, and module manufacturing Provides a detailed overview of OLED manufacturing for both mobile and TV applications, including a chapter dedicated to the young field of flexible OLED manufacturing Provides a detailed overview of the key unit processes and corresponding manufacturing equipment, including manufacturing test & repair of TFT array panels as well as display module inspection & repair Introduces key topics in display manufacturing science and engineering, including productivity & quality, factory architectures, and green manufacturing Flat Panel Display Manufacturing will appeal to professionals and engineers in R&D departments for display-related technology development, as well as to graduates and Ph.D. students specializing in LCD/OLED/other flat panel displays.

*Introduction to Microdisplays* - David Armitage 2006-11-02

Microdisplays are tiny, high-resolution electronic displays, designed for use in magnifying optical systems such as HDTV projectors and near-eye personal viewers. As a result of research and development into this field, Microdisplays are incorporated in a variety of visual electronics, notably new 3G portable communications devices, digital camera technologies, wireless internet applications, portable DVD viewers and wearable PCs. Introduction to Microdisplays encapsulates this market through describing in detail the theory, structure, fabrication and applications of Microdisplays. In particular this book: Provides excellent reference

material for the Microdisplay industry through including an overview of current applications alongside a guide to future developments in the field. Covers all current technologies and devices such as Silicon Wafer Backplane Technology, Liquid Crystal Devices, Micromechanical Devices, and the emerging area of Organic Light Emitting Diodes. Presents guidance on the design of applications of Microdisplays, including Microdisplays for defence and telecoms, from basic principles through to their performance limitations. Introduction to Microdisplays is a thorough and comprehensive reference on this emerging topic. It is essential reading for display technology manufacturers, developers, and system integrators, as well as practising electrical engineers, physicists, chemists and specialists in the display field. Graduate students, researchers, and developers working in optics, material science, and telecommunications will also find this a valuable resource. The Society for Information Display (SID) is an international society, which has the aim of encouraging the development of all aspects of the field of information display. Complementary to the aims of the society, the Wiley-SID series is intended to explain the latest developments in information display technology at a professional level. The broad scope of the series addresses all facets of information displays from technical aspects through systems and prototypes to standards and ergonomics. Electronic Design - 2007

*OLED Fundamentals* - Daniel J. Gaspar 2015-05-15

A Comprehensive Source for Taking on the Next Stage of OLED R&D. *OLED Fundamentals: Materials, Devices, and Processing of Organic Light-Emitting Diodes* brings together key topics across the field of organic light-emitting diodes (OLEDs), from fundamental chemistry and physics to practical materials science and engineering aspects to design and manufacturing factors. Experts from top academic institutions, industry, and national laboratories provide thorough, up-to-date coverage on the most useful materials, devices, and design and fabrication methods for high-efficiency lighting. The first part of the book covers all the construction materials of OLED devices, from substrate to

encapsulation. For the first time in book form, the second part addresses challenges in devices and processing, including architectures and methods for new OLED lighting and display technologies. The book is suitable for a broad audience, including materials scientists, device physicists, synthetic chemists, and electrical engineers. It can also serve as an introduction for graduate students interested in applied aspects of photophysics and electrochemistry in organic thin films.

**Exploring Arduino** - Jeremy Blum 2019-10-16

The bestselling beginner Arduino guide, updated with new projects! Exploring Arduino makes electrical engineering and embedded software accessible. Learn step by step everything you need to know about electrical engineering, programming, and human-computer interaction through a series of increasingly complex projects. Arduino guru Jeremy Blum walks you through each build, providing code snippets and schematics that will remain useful for future projects. Projects are accompanied by downloadable source code, tips and tricks, and video tutorials to help you master Arduino. You'll gain the skills you need to develop your own microcontroller projects! This new 2nd edition has been updated to cover the rapidly-expanding Arduino ecosystem, and includes new full-color graphics for easier reference. Servo motors and stepper motors are covered in richer detail, and you'll find more excerpts about technical details behind the topics covered in the book. Wireless connectivity and the Internet-of-Things are now more prominently featured in the advanced projects to reflect Arduino's growing capabilities. You'll learn how Arduino compares to its competition, and how to determine which board is right for your project. If you're ready to start creating, this book is your ultimate guide! Get up to date on the evolving Arduino hardware, software, and capabilities. Build projects that interface with other devices—wirelessly! Learn the basics of electrical engineering and programming. Access downloadable materials and source code for every project. Whether you're a first-timer just starting out in electronics, or a pro looking to mock-up more complex builds, Arduino is a fantastic tool for building a variety of devices. This book offers a comprehensive tour of the hardware itself, plus in-depth

introduction to the various peripherals, tools, and techniques used to turn your little Arduino device into something useful, artistic, and educational. Exploring Arduino is your roadmap to adventure—start your journey today!

**Practical Augmented Reality** - Steve Aukstakalnis 2016-09-08

The most comprehensive and up-to-date guide to the technologies, applications and human factors considerations of Augmented Reality (AR) and Virtual Reality (VR) systems and wearable computing devices. Practical Augmented Reality is ideal for practitioners and students concerned with any application, from gaming to medicine. It brings together comprehensive coverage of both theory and practice, emphasizing leading-edge displays, sensors, and DIY tools that are already available commercially or will be soon. Beginning with a Foreword by NASA research scientist Victor Luo, this guide begins by explaining the mechanics of human sight, hearing and touch, showing how these perceptual mechanisms (and their performance ranges) directly dictate the design and use of wearable displays, 3-D audio systems, and tactile/force feedback devices. Steve Aukstakalnis presents revealing case studies of real-world applications from gaming, entertainment, science, engineering, aeronautics and aerospace, defense, medicine, telerobotics, architecture, law enforcement, and geophysics. Readers will find clear, easy-to-understand explanations, photos, and illustrations of devices including the Atheer AiR, HTC Vive, DAQRI Smart Helmet, Oculus (Facebook) CV1, Sony PlayStation VR, Vuzix M300, Google Glass, and many more. Functional diagrams and photographs clearly explain how these devices operate, and link directly to relevant theoretical and practical content. Practical Augmented Reality thoroughly considers the human factors of these systems, including sensory and motor physiology constraints, monocular and binocular depth cues, elements contributing to visually-induced motion sickness and nausea, and vergence-accommodation conflicts. It concludes by assessing both the legal and societal implications of new and emerging AR, VR, and wearable technologies as well as provides a look next generation systems.

**Electronic Engineering Design** - 2002

**Computers, Software Engineering, and Digital Devices** - Richard C. Dorf 2018-10-03

In two editions spanning more than a decade, The Electrical Engineering Handbook stands as the definitive reference to the multidisciplinary field of electrical engineering. Our knowledge continues to grow, and so does the Handbook. For the third edition, it has expanded into a set of six books carefully focused on a specialized area or field of study. Each book represents a concise yet definitive collection of key concepts, models, and equations in its respective domain, thoughtfully gathered for convenient access. Computers, Software Engineering, and Digital Devices examines digital and logical devices, displays, testing, software, and computers, presenting the fundamental concepts needed to ensure a thorough understanding of each field. It treats the emerging fields of programmable logic, hardware description languages, and parallel computing in detail. Each article includes defining terms, references, and sources of further information. Encompassing the work of the world's foremost experts in their respective specialties, Computers, Software Engineering, and Digital Devices features the latest developments, the broadest scope of coverage, and new material on secure electronic commerce and parallel computing.

Digital Micro-Optics - Bernard C. Kress 2014-01-01

Traditional macro-optics can be designed without complex design software tools. However, digital optics, especially wafer-scale micro-optics, require specific software and tools. There is often no analytical solution, and thus complex iterative optimization algorithms may be required. This book covers refractive and diffractive micro-optics, the iterative optimization process, and modeling and fabrication techniques crucial to this field. The ability to create hybrid systems capable of producing analog and digital functionality is also addressed.

**Transactions** - Indian Ceramic Society 2006

Chemical Week - 2006

**Telegeoinformatics** - Hassan A. Karimi 2004-03-15

Telegeoinformatics is a new discipline resulting from the integration of mobile computing with wired and wireless communications, geoinformatics (including GIS and GPS), and remote sensing techniques and technologies. Users of telegeoinformatics from every field will need a comprehensive reference to solve multiple types of problems involving local

**OLED Microdisplays** - François Templier 2014-08-08

Microdisplays are displays requiring optical magnification and OLEDs (Organic Light-Emitting Diode) are self-emitting displays where each pixel includes a LED made of organic material, in general composed of small-molecule organic material. This title reviews in detail how OLED microdisplays are made as well as how they are used. All aspects from theory to application will be addressed: basic principles, display design, display fabrication, operation and performances, present and future applications. The book will be useful to anyone interested in this rapidly developing field, such as students or researchers, industry professionals (engineers, project leaders) in the field of display development/fabrication and display end-users.

**Digital Electronics 1** - Tertulien Ndjountche 2016-06-17

The omnipresence of electronic devices in our everyday lives has been accompanied by the downscaling of chip feature sizes and the ever increasing complexity of digital circuits. This book is devoted to the analysis and design of digital circuits, where the signal can assume only two possible logic levels. It deals with the basic principles and concepts of digital electronics. It addresses all aspects of combinational logic and provides a detailed understanding of logic gates that are the basic components in the implementation of circuits used to perform functions and operations of Boolean algebra. Combinational logic circuits are characterized by outputs that depend only on the actual input values. Efficient techniques to derive logic equations are proposed together with methods of analysis and synthesis of combinational logic circuits. Each chapter is well structured and is supplemented by a selection of solved exercises covering logic design practices.

Advanced Display Technology - In Byeong Kang 2021-05-20

This book provides a comprehensive and up-to-date guide to the AMOLED technologies and applications which have become industry standard in a range of devices, from small mobile displays to large televisions. Unlike other books on the topic, which cover the fundamentals, materials, processing, and manufacturing of OLEDs, this one-stop book discusses the core components, such as TFT backplanes, OLED materials and devices, and driving schematics together in one volume with chapters written by experts from leading international companies in the field of OLED materials and OLED TVs. It also examines emerging areas, such as micro-LEDs, displays using quantum dots, and AR & VR displays. Presenting the latest research trends as well as the basic principles of each topic, this book is intended for undergraduate and postgraduate students taking display-related courses, new researchers, and engineers in related fields.

**Circuits and Systems for Wearable Technologies** - Sara Ghoreishizadeh 2022-09-01

This book is based on presentations given at the 2nd IEEE United Kingdom Circuits and Systems (UKCAS 2019) Workshop. It covers several advanced topics in the areas of semiconductor devices, circuits and systems, and energy harvesting; discussing their application in emerging implantable and wearable technologies and IoT. Notable application examples discussed include rapid infectious disease monitoring, in-situ tear fluid analysis, sleep engineering, chronic pain treatment, personalised anti-cancer therapy, foetus and neonate monitoring, monitoring of bone healing, orthopedic implants, magnetomyography and intelligent gesture recognition. Fundamental aspects of these topics are discussed, and state-of-the-art developments are presented.

*Organic Light-Emitting Diodes (OLEDs)* - Alastair Buckley 2013-08-31

Organic light-emitting diodes (OLEDs) are opening up exciting new applications in the area of lighting and displays. OLEDs are self emissive and by careful materials and device design can generate colours across the visible spectrum. Together with simple monolithic fabrication on a

range of different substrates, these diverse material properties give OLEDs key advantages over existing display and lighting technology. This important book summarises key research on materials, engineering and the range of applications of these versatile materials. Part one covers materials for OLEDs. Chapters review conjugated polymers, transparent conducting thin films, iridium complexes and phosphorescent materials. Part two discusses the operation and engineering of OLED devices. Chapters discuss topics such as highly efficient pin-type OLEDs, amorphous organic semiconductors, nanostructuring techniques, light extraction, colour tuning, printing techniques, fluorenone defects and disruptive characteristics as well as durability issues. Part three explores the applications of OLEDs in displays and solid-state lighting. Applications discussed include displays, microdisplays and transparent OLEDs, sensors and large-area OLED lighting panels. Organic light-emitting diodes (OLEDs) is a standard reference for engineers working in lighting, display technology and the consumer electronics sectors, as well as those researching OLEDs. Summarises key research on the materials, engineering and applications of OLEDs Reviews conjugated polymers, transparent conducting thin films Considers nanostructuring OLEDs for increasing levels of efficiency

**Optical Architectures for Augmented-, Virtual-, and Mixed-reality Headsets** - Bernard C. Kress 2020

"This book is a timely review of the various optical architectures, display technologies, and building blocks for modern consumer, enterprise, and defense head-mounted displays for various applications, including smart glasses, smart eyewear, and virtual-reality, augmented-reality, and mixed-reality headsets. Special attention is paid to the facets of the human perception system and the need for a human-centric optical design process that allows for the most comfortable headset that does not compromise the user's experience. Major challenges--from wearability and visual comfort to sensory and display immersion--must be overcome to meet market analyst expectations, and the book reviews the most appropriate optical technologies to address such challenges, as well as the latest product implementations"--

**Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes (TADF-OLEDs)** - Lian Duan 2021-10-15

Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes (TADF-OLEDs) comprehensively introduces the history of TADF, along with a review of fundamental concepts. Then, TADF emitters with different colors, such as blue, green, red and NIR as well as white OLEDs are discussed in detail. Other sections cover exciplex-type TADF materials, emerging application of TADF emitters as a host in OLEDs, and applications of TADF materials in organic lasers and biosensing. Discusses green, blue, red, NIR and white TADF emitters and their design strategies for improved performance for light-emitting diode applications Addresses emerging materials, such as molecular and exciplex-based TADF materials Includes emerging applications like lasers and biosensors

**Flexible Electronics for Security, Manufacturing, and Growth in the United States** - National Research Council 2013-11-20

Flexible Electronics for Security, Manufacturing, and Growth in the United States is the summary of a workshop convened in September 2010 by Policy and Global Affairs' Board on Science, Technology, and Economic Policy to review challenges, plans, and opportunities for growing a robust flexible electronics industry in the United States. Business leaders, academic experts, and senior government officials met to review the role of research consortia around the world to advance flexible electronics technology. Presenters and participants sought to understand their structure, focus, funding, and likely impact, and to determine what appropriate steps the United States might consider to develop a robust flexible electronics industry. Flexible electronics refers to technologies that enable flexibility in the manufacturing process as well as flexibility as a characteristic of the final product. Features such as unconventional forms and ease of manufacturability provide important advantages for flexible electronics over conventional electronics built on rigid substrates. Today, examples of flexible electronics technologies are found in flexible flat-panel displays, medical image sensors, photovoltaic sheets, and electronic paper. Some industry experts predict that the

market for global flexible electronics will experience a double digit growth rate, reaching \$250 billion by 2025, but most experts believe that the United States is not currently poised to capitalize on this opportunity.

Flexible Electronics for Security, Manufacturing, and Growth in the United States examines and compares selected innovation programs, both foreign and domestic, and their potential to advance the production of flexible electronics technology.