Smart Mazak Manual

Workholding for MachinistsTheory and Design of CNC SystemsInformation Technology for ManufacturingMilwaukee's Early ArchitectureFanuc CNC Custom MacrosEssential Guide to Metals and ManufacturingHow to Implement a Manufacturing System: Best Practices and Pitfalls when Implementing an MRP/ERP SystemBusinessJames Bond (2020) #1Total Construction ManagementHydrostatic LubricationThomas Register of American Manufacturers and Thomas Register Catalog FileStar Trek: The Original Series: Crucible: Kirk: The Star to Every WanderingArtificial Intelligence Abstracts Annual 1989Secrets of 5-axis MachiningJob Shop LeanAdvanced Design and Manufacturing Based on STEPThomas Register of American ManufacturersSystems Modelling and ManagementMachining Center Setup and OperationMulti-Disciplinary Engineering for Cyber-Physical Production SystemsMaking a Real KillingLight Metal Alloys ApplicationsCreo Parametric Mill-TurnAn Anthology of Classic Australian FolkloreThe Vintage Motorcyclists' WorkshopMemories of God and CreationTabletop MachiningThe Hitchhiker's Guide to LeanVirtual ManufacturingBritain's Chinese EyeProgramming of Computer Numerically Controlled MachinesProceedings of the International Symposium for Production Research 2019The Industrial Laser HandbookSecurity and Quality in Cyber-Physical Systems EngineeringCutting Tool TechnologyTrace Elements in Obstetrics and GynecologyCAD/CAM/CIMMachining Center ProgrammingRobotics Abstracts

Workholding for Machinists

In the 1950's, the design and implementation of the Toyota Production System (TPS) within Toyota had begun. In the 1960's, Group Technology (GT) and Cellular Manufacturing (CM) were used by Serck Audco Valves, a high-mix low-volume (HMLV) manufacturer in the United Kingdom, to guide enterprise-wide transformation. In 1996, the publication of the book Lean Thinking introduced the entire world to Lean. Job Shop Lean integrates Lean with GT and CM by using the five Principles of Lean to guide its implementation: (1) identify value, (2) map the value stream, (3) create flow, (4) establish pull, and (5) seek perfection. Unfortunately, the tools typically used to implement the Principles of Lean are incapable of solving the three Industrial Engineering problems that HMLV manufacturers face when implementing Lean: (1) finding the product families in a product mix with hundreds of different products, (2) designing a flexible factory layout that "fits" hundreds of different product routings, and (3) scheduling a multi-product multi-machine production system subject to finite capacity constraints. Based on the Author's 20+ years of learning, teaching, researching, and implementing Job Shop Lean since 1999, this book Describes the concepts, tools, software, implementation methodology, and barriers to successful implementation of Lean in HMLV production systems Utilizes Production Flow Analysis instead of Value Stream Mapping to eliminate waste in different levels of any HMLV manufacturing enterprise Solves the three Industrial Engineering problems that were mentioned earlier using software like PFAST (Production Flow Analysis and Simplification Toolkit), Sgetti and Schedlyzer Explains how the one-at-a-time implementation of manufacturing cells constitutes a long-term strategy for Continuous Improvement Explains how product families and manufacturing cells

are the basis for implementing flexible automation, machine monitoring, virtual cells, Manufacturing Execution Systems, and other elements of Industry 4.0 Teaches a new method, Value Network Mapping, to visualize large multi-product multi-machine production systems whose Value Streams share many processes Includes real success stories of Job Shop Lean implementation in a variety of production systems such as a forge shop, a machine shop, a fabrication facility and a shipping department Encourages any HMLV manufacturer planning to implement Job Shop Lean to leverage the co-curricular and extracurricular programs of an Industrial Engineering department

Theory and Design of CNC Systems

This book describes a vision of manufacturing in the twenty-first century that maximizes efficiencies and improvements by exploiting the full power of information and provides a research agenda for information technology and manufacturing that is necessary for success in achieving such a vision. Research on information technology to support product and process design, shop-floor operations, and flexible manufacturing is described. Roles for virtual manufacturing and the information infrastructure are also addressed. A final chapter is devoted to nontechnical research issues.

Information Technology for Manufacturing

Initially dominated by simple renditions of East Coast architecture, Milwaukee developed from three pioneer settlements, those of Solomon Juneau, Byron Kilbourn, and George Walker—three hubs from which three villages radiated outward into one city. Following the Civil War, Milwaukee's growth at the onset of the Industrial Era afforded the city a fanciful array of Victorian streetscapes. The 1890s followed with an era of ethnic architecture in which bold interpretations of German Renaissance Revival and Baroque designs paid homage to Milwaukee's overwhelming German population. At the turn of the century, Milwaukee's proximity to Chicago influenced the streetscape with classicized civic structures and skyscrapers designed by Chicago architects. World War I and the ensuing anti-German sentiment, as well as Prohibition, inevitably had adverse effects on "Brew City." By the 1920s, Milwaukee's architecture had assimilated to the national aesthetic, suburban development was on the rise, and architectural growth would soon be stunted by the Great Depression.

Milwaukee's Early Architecture

The Technology Of Cad/Cam/Cim Deals With The Creation Of Information At Different Stages From Design To Marketing And Integration Of Information And Its Effective Communication Among The Various Activities Like Design, Product Data Management, Process Planning, Production Planning And Control, Manufacturing, Inspection, Materials Handling Etc., Which Are Individually Carried Out Through Computer Software. Seamless Transfer Of Information From One Application To Another Is What Is Aimed At.This Book Gives A Detailed Account Of The Various Technologies Which Form Computer Based Automation Of Manufacturing Activities. The Issues Pertaining To Geometric Model Creation, Standardisation Ofgraphics

Data, Communication, Manufacturing Information Creation And Manufacturing Control Have Been Adequately Dealt With. Principles Of Concurrent Engineering Have Been Explained And Latest Software In The Various Application Areas Have Been Introduced.The Book Is Written With Two Objectives To Serve As A Textbook For Students Studying Cad/Cam/Cim And As A Reference Book For Professional Engineers.

Fanuc CNC Custom Macros

This book discusses challenges and solutions for the required information processing and management within the context of multi-disciplinary engineering of production systems. The authors consider methods, architectures, and technologies applicable in use cases according to the viewpoints of product engineering and production system engineering, and regarding the triangle of (1) product to be produced by a (2) production process executed on (3) a production system resource. With this book industrial production systems engineering researchers will get a better understanding of the challenges and requirements of multi-disciplinary engineering that will guide them in future research and development activities. Engineers and managers from engineering domains will be able to get a better understanding of the benefits and limitations of applicable methods, architectures, and technologies for selected use cases. IT researchers will be enabled to identify research issues related to the development of new methods, architectures, and technologies for multi-disciplinary engineering, pushing forward the current state of the art.

Essential Guide to Metals and Manufacturing

An extensive guide for learning how to use the Creo Parametric software for 3D design for manufacturing. Design for manufacturability, DFM, is a product design method that enables efficient manufacturing of products. The guide is published as a series of four individual PDF ebooks. Each book can be used as a textbook during a course or for self-studies. All the templates, formats, sheets and parts showed in each book are available for download. Download links can be found inside the books. The book guides the reader through turning machining with Live Tools and combined milling and turning manufacturing.

How to Implement a Manufacturing System: Best Practices and Pitfalls when Implementing an MRP/ERP System

A convergence of lean management and quality management thinking has taken place in organizations across many industries, including construction. Practices in procurement, design management and construction management are all evolving constantly and understanding these changes and how to react is essential to successful management. This book provides valuable insights for owners, designers and constructors in the construction sector. Starting by introducing the language of total quality, lean and operational excellence, this book takes the reader right up to the latest industry practice in this sector, and demonstrates the best way to manage change. Written by two of the world's leading experts, Total Construction Management: Lean quality in construction project delivery offers a

clearly structured introduction to the most important management concepts and practices used in the global construction industry today. This authoritative book covers issues such as procurement, BIM, all forms of waste, construction safety, and design and construction management, all explained with international case studies. It is a perfect guide for managers in all parts of the industry, and ideal for those preparing to enter the industry.

Business

This book is intended for new owners, engineers, technicians, purchasing agents, chief operating officers, finance managers, quality control managers, sales managers, or other employees who want to learn and grow in metal manufacturing business. The book covers the following: 1. Basic metals, their selection, major producers, and suppliers' websites 2. Manufacturing processes such as forgings, castings, steel fabrication, sheet metal fabrication, and stampings and their equipment suppliers' websites 3. Machining and finishing processes and equipment suppliers' websites 4. Automation equipment information and websites of their suppliers 5. Information about engineering drawings and quality control 6. Lists of sources of trade magazines (technical books that will provide more information on each subject discussed in the book)

James Bond (2020) #1

Up to now, the best way to get information on 5-axis machining has been by talking to experienced peers in the industry, in hopes that they will share what they learned. Visiting industrial tradeshows and talking to machine tool and Cad/Cam vendors is another option, only these people will all give you their point of view and will undoubtedly promote their machine or solution. This unbiased, no-nonsense, to-the-point description of 5-axis machining presents information that was gathered during the author's 30 years of hands-on experience in the manufacturing industry, bridging countries and continents, multiple languages - both human and G-Code. As the only book of its kind, Secrets of 5-Axis Machining will demystify the subject and bring it within the reach of anyone who is interested in using this technology to its full potential, and is not specific to one particular CAD/CAM system. It is sure to empower readers to confidently enter this field, and by doing so, become better equipped to compete in the global market.

Total Construction Management

Vols. for 1970-71 includes manufacturers' catalogs.

Hydrostatic Lubrication

Is it possible to remember how the universe was created, where humans came from, and what we planned to do with our lives? Yes, says board-certified psychiatrist Shakuntala Modi, M.D. For more than a decade Dr. Modi has used clinical hypnosis to help patients deiscover the sources of their physical and mental health problems, not only in their pasts, but even in their past lives. Now she targets the cosmos. According to Dr. Modi, everyone carries memories of God

and creation in their subconscious. This book presents information from many of her hypnotized patients, presenting evidence that we all carry the secrets of the universe within us. The astonishing revelations in this book include real patient descriptions of:What it's like to be one with GodWhy there are individual soulsWhere evil came fromHow angels were createdHow dying feelsHow easy it is to return to Heaven after death Prepare to have your world view completely altered by the information in Memories of God and Creation.

Thomas Register of American Manufacturers and Thomas Register Catalog File

This book examines the requirements, risks, and solutions to improve the security and quality of complex cyber-physical systems (C-CPS), such as production systems, power plants, and airplanes, in order to ascertain whether it is possible to protect engineering organizations against cyber threats and to ensure engineering project quality. The book consists of three parts that logically build upon each other. Part I "Product Engineering of Complex Cyber-Physical Systems" discusses the structure and behavior of engineering organizations producing complex cyber-physical systems, providing insights into processes and engineering activities, and highlighting the requirements and border conditions for secure and high-quality engineering. Part II "Engineering Quality Improvement" addresses quality improvements with a focus on engineering data generation, exchange, aggregation, and use within an engineering organization, and the need for proper data modeling and engineering-result validation. Lastly, Part III "Engineering Security Improvement" considers security aspects concerning C-CPS engineering, including engineering organizations' security assessments and engineering data management, security concepts and technologies that may be leveraged to mitigate the manipulation of engineering data, as well as design and run-time aspects of secure complex cyber-physical systems. The book is intended for several target groups: it enables computer scientists to identify research issues related to the development of new methods, architectures, and technologies for improving quality and security in multi-disciplinary engineering, pushing forward the current state of the art. It also allows researchers involved in the engineering of C-CPS to gain a better understanding of the challenges and requirements of multi-disciplinary engineering that will guide them in their future research and development activities. Lastly, it offers practicing engineers and managers with engineering backgrounds insights into the benefits and limitations of applicable methods, architectures, and technologies for selected use cases.

Star Trek: The Original Series: Crucible: Kirk: The Star to Every Wandering

Virtual Manufacturing presents a novel concept of combining human computer interfaces with virtual reality for discrete and continuous manufacturing systems. The authors address the relevant concepts of manufacturing engineering, virtual reality, and computer science and engineering, before embarking on a description of the methodology for building augmented reality for manufacturing processes and manufacturing systems. Virtual Manufacturing is centered on the description of the development of augmented reality models for a range of processes based on

CNC, PLC, SCADA, mechatronics and on embedded systems. Further discussions address the use of augmented reality for developing augmented reality models to control contemporary manufacturing systems and to acquire micro- and macro-level decision parameters for managers to boost profitability of their manufacturing systems. Guiding readers through the building of their own virtual factory software, Virtual Manufacturing comes with access to online files and software that will enable readers to create a virtual factory, operate it and experiment with it. This is a valuable source of information with a useful toolkit for anyone interested in virtual manufacturing, including advanced undergraduate students, postgraduate students and researchers.

Artificial Intelligence Abstracts Annual 1989

Hydrostatic lubrication is characterized by the complete separation of the conjugated surfaces of a kinematic pair, by means of a film of fluid, which is pressurized by an external piece of equipment. Its distinguishing features are lack of wear, low friction, high load capacity, a high degree of stiffness and the ability to damp vibrations. This book reviews the study of externally pressurized lubrication, both from the theoretical and the technical point of view, thereby serving the needs of both researchers as well as students and technical designers. In this connection, design suggestions for the most common types of hydrostatic bearings have been included, as well as a number of examples. A comprehensive bibliography is included with each chapter providing up to date references for more in depth coverage.

Secrets of 5-axis Machining

Job Shop Lean

A chilling, fast-moving study of the nuclear weapons plant in the Denver suburbs, told through the experiences of managers, workers, activists, and neighbors who were all so deeply affected by the hazardous plant.

Advanced Design and Manufacturing Based on STEP

A trace element (TE) is a chemical element presented below ~0.1 wt. % and required in minute quantities to maintain proper physical functioning. TE analysis in clinical samples (plasma, urine, cerebro-spinal fluid, full-term placenta, hair, nails, buccal mucosa, semen, biopsy specimens) has received increasing attention. Based on 62 sources, current effort presents comparative knowledge about the attempts to accurately trace TE in clinical samples through Vis/NIR, PIXE, TXRF, GFAAS, ICP-MS. It informs the need for further research adjustments to reveal the reciprocal states of certain TE (Cu/Zn, Ca/Mg, Fe/ Pb) in correlation with their real-time counts in both maternal and neonatal umbilical cord plasma, and in relation to augmented oxidative stress. This would help to achieve consistency in interpreting obstetrical complications (preeclampsia, prematurity, or gestational diabetes). Generated hypotheses should target plausible mechanisms behind TE alterations and their stage-sensitive measures in gynecological cancer. New prospects are

discussed in management and prognosis of endometriosis and premature ovarian failure (POF).

Thomas Register of American Manufacturers

It is a well acknowledged fact that virtually all of our modern-day components and assemblies rely to some extent on machining operations in their manufacturing process. Thus, there is clearly a substantive machining requirement which will continue to be of prime importance for the foreseeable future. Cutting Tool Technology provides a comprehensive guide to the latest developments in the use of cutting tool technology. The book covers new machining and tooling topics such as high-speed and hard-part machining, near-dry and dry-machining strategies, multi-functional tooling, 'diamond-like' and 'atomically-modified' coatings, plus many others. Also covered are subjects important from a research perspective, such as micro-machining and artificial intelligence coupled to neural network tool condition monitoring. A practical handbook complete with troubleshooting tables for common problems, Cutting Tool Technology is an invaluable reference for researchers, manufacturers and users of cutting tools.

Systems Modelling and Management

"CNC programmers and service technicians will find this book a very useful training and reference tool to use in a production environment. Also, it will provide the basis for exploring in great depth the extremely wide and rich field of programming tools that macros truly are."--BOOK JACKET.

Machining Center Setup and Operation

New series, new team, new missions! VITA AYALA (Morbius, Age Of X-Man), DANNY LORE (Queen Of Bad Dreams) and ERIC GAPSTUR (James Bond 007) present a fresh take on the world's greatest secret agent. When a priceless piece of art is found to be fake, investigations lead down a rabbit hole of international crime and corruption. But what the hell does James Bond know about the world of art forgery? Featuring a cover by superstar JIM CHEUNG (Justice League, Young Avengers), that will be revealed as an interlocking image over the first three issues!

Multi-Disciplinary Engineering for Cyber-Physical Production Systems

This book traces the intimate connections between Britain and China throughout the nineteenth century and argues for China's central impact on the British visual imagination. Chang brings together an unusual group of primary sources to investigate how nineteenth-century Britons looked at and represented Chinese people, places, and things, and how, in the process, ethnographic, geographic, and aesthetic representations of China shaped British writers' and artists' vision of their own lives and experiences. For many Britons, China was much more than a geographical location; it was also a way of seeing and being seen that could be either embraced as creative inspiration or rejected as contagious influence. In both cases, the idea of China's visual difference stood in negative contrast to Britain's

evolving sense of the visual and literary real. To better grasp what Romantic and Victorian writers, artists, and architects were doing at home, we must also understand the foreign "objects" found in their midst and what they were looking at abroad.

Making a Real Killing

IN A SINGLE MOMENT . . . the lives of three men will be forever changed. In that split second, defined paradoxically by both salvation and loss, they will destroy the world and then restore it. Much had come before, and much would come after, but nothing would color their lives more than that one, isolated instant on the edge of forever. IN A SINGLE MOMENT . . . James T. Kirk, displaced in time, allows the love of his life to die in a traffic accident, thereby preserving Earth's history. Returning to the present, he continues a storied career as a starship captain, opening up the galaxy. But as he wanders among the stars, the incandescence that once filled his heart remains elusive. IN A SINGLE MOMENT . . . that haunts James T. Kirk throughout his life, he preserved the timeline at the cost of his happiness. Now, facing his own death, the very fabric of existence collapses across years and light-years, forcing him to race against -- and through -- time itself, until he comes full circle to that one bright star by which his life has always steered.

Light Metal Alloys Applications

Hitchhikers do not travel a fixed path. They intentionally wander so they can learn and grow along the way. Embarking on the lean journey is similar; there are many roads on which to wander and no single one is right for all. This title concludes with interviews of lean practitioners on the front lines of change at Chrysler, DTE Energy, and Nemak.

Creo Parametric Mill-Turn

This is a special edition and not intended for sale. Please purchase the standard edition.

An Anthology of Classic Australian Folklore

Workholding for Machinists explains the various workholding options that are available to the metalworker, together with the principles behind them. The book explains the importance of precision in holding work in place and also the importance of tools and machines being held securely, so that the machinist may avoid damage to the machine and to the work being undertaken, and thus achieve a high quality end product. The emphasis is on creating good work within a limited budget, and a limited range of resources. The topics covered in this new book include: work holding on lathes and milling machines; collets and collect chucks; turning between centres; turning on a faceplate and tool holding. Fully illustrated with 118 photographs and diagrams.

The Vintage Motorcyclists' Workshop

Lonely because he is the only mouse in the church, Arthur asks all the town mice to join him. Unfortunately the congregation aren't so welcoming. But all is not lost when a robber tries to steal the church candlesticks, the mice foil his plans and win back their home.

Memories of God and Creation

Written in simple, easy-to-understand language by skilled programmers with years of experience teaching CNC machining to the industry and in formal education settings, Programming of Computer Numerically Controlled Machines provides full descriptions of many operation and programming functions and illustrates their practical applications through examples. It provides in-depth information on how to program turning and milling machines, which is applicable to almost all control systems. It keeps all theoretical explanations to a minimum throughout so that they do not distort an understanding of the programming. And because of the wide range of information available about the selection of tools, cutting speeds, and the technology of machining, it is sure to benefit engineers, programmers, supervisors, and machine operators who need ready access to information that will solve CNC operation and programming problems.

Tabletop Machining

The Hitchhiker's Guide to Lean

Lightweight alloys have become of great importance in engineering for construction of transportation equipment. At present, the metals that serve as the base of the principal light alloys are aluminum and magnesium. One of the most important lightweight alloys are the aluminum alloys in use for several applications (structural components wrought aluminum alloys, parts and plates). However, some casting parts that have low cost of production play important role in aircraft parts. Magnesium and its alloys are among the lightest of all metals and the sixth most abundant metal on earth. Magnesium is ductile and the most machinable of all metals. Many of these light weight alloys have appropriately high strength to warrant their use for structural purposes, and as a result of their use, the total weight of transportation equipment has been considerably decreased.

Virtual Manufacturing

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Britain's Chinese Eye

Design and manufacturing is the essential element in any product development lifecycle. Industry vendors and users have been seeking a common language to be used for the entire product development lifecycle that can describe design, manufacturing and other data pertaining to the product. Many solutions were

proposed, the most successful being the Stadndard for Exchange of Product model (STEP). STEP provides a mechanism that is capable of describing product data, independent from any particular system. The nature of this description makes it suitable not only for neutral file exchange, but also as a basis for implementing, sharing and archiving product databases. ISO 10303-AP203 is the first and perhaps the most successful AP developed to exchange design data between different CAD systems. Going from geometric data (as in AP203) to features (as in AP224) represents an important step towards having the right type of data in a STEP-based CAD/CAM system. Of particular significance is the publication of STEP-NC, as an extension of STEP to NC, utilising feature-based concepts for CNC machining purposes. The aim of this book is to provide a snapshot of the recent research outcomes and implementation cases in the field of design and manufacturing where STEP is used as the primary data representation protocol. The 20 chapters are contributed by authors from most of the top research teams in the world. These research teams are based in national research institutes, industries as well as universities.

Programming of Computer Numerically Controlled Machines

A practical perspective on equipment and processes with instruction for many projects shown.

Proceedings of the International Symposium for Production Research 2019

The Industrial Laser Handbook

This is a special edition and not intended for sale. Please purchase the standard edition.

Security and Quality in Cyber-Physical Systems Engineering

Computer Numerical Control (CNC) controllers are high value-added products counting for over 30% of the price of machine tools. The development of CNC technology depends on the integration of technologies from many different industries, and requires strategic long-term support. "Theory and Design of CNC Systems" covers the elements of control, the design of control systems, and modern open-architecture control systems. Topics covered include Numerical Control Kernel (NCK) design of CNC, Programmable Logic Control (PLC), and the Man-Machine Interface (MMI), as well as the major modules for the development of conversational programming methods. The concepts and primary elements of STEP-NC are also introduced. A collaboration of several authors with considerable experience in CNC development, education, and research, this highly focused textbook on the principles and development technologies of CNC controllers can also be used as a guide for those working on CNC development in industry.

Cutting Tool Technology

Trace Elements in Obstetrics and Gynecology

First published in 1986, this book has become regarded as a classic and is being reissued by Haynes to meet popular demand. Presented in the format of a Haynes Manual, Vintage Motorcyclists' Workshop is aimed at the amateur, who is encouraged to attempt almost every aspect of restoration work himself, within the confines of the home workshop. It is packed with detailed practical information and illustration compiled by a highly respected motorcycle restorer.

CAD/CAM/CIM

Manufacturing with lasers is becoming increasingly important in modern industry. This is a unique, most comprehensive handbook of laser applications to all modern branches of industry. It includes, along with the theoretical background, updates of the most recent research results, practical issues and even the most complete company and product directory and supplier's list of industrial laser and system manufacturers. Such important applications of lasers in manufacturing as welding, cutting, drilling, heat treating, surface treatment, marking, engraving, etc. are addressed in detail, from the practical point of view. A list of specific companies dealing with manufacturing aspects with lasers is given.

Machining Center Programming

Robotics Abstracts

Have you ever wondered how to take your manufacturing business to the next level with an MRP system? 123 Insight's Martin Bailey reveals the tried and tested formula that has helped hundreds of businesses to streamline their processes, showing what MRP can really do for your business. If your company has yet to take the leap into implementing an MRP/ERP system or are struggling with existing software, then this book is for you. It explains and breaks down the methodology behind a MRP implementation. This book will show: Why many MRP/ERP implementations fail MRP versus ERP How to win the hearts and minds of staff Planning your software/vendor selection process Data - what to take and what to leave Breaking down the implementation process Managing the go-live process How to measure success Regardless of your business or manufacturing process this book is packed with anecdotes of real-world problems and how manufacturers overcame them, breaking down the selection and implementation process in an easy to understand, non-technical way. Includes a foreword by Dave Tudor, Editorial Director for Production Engineering Solutions magazine. About 123insight: The company was founded in 2000 as a response to the fundamental flaws inherent in the traditional MRP selection and implementation process. They have been either nominated or have won dozens of awards, often due to the speed of implementation and the immediate return on investment. About the Author: Martin Bailey has been the Marketing Manager for 123 Insight since 2002 and has written dozens of case studies on successful MRP implementations. This is his ninth book, and he regularly writes for the manufacturing trade press.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION