

Troubleshooting A Technicians Guide Second Edition Isa Technician Series

Chromatographic Systems: Maintenance and Troubleshooting, Second Edition provides a clear and concise guide for chromatographic maintenance. This book covers troubleshooting and repair procedures that can be utilized by both experienced and inexperienced chemists and technicians to reduce instrument down-time. This edition is divided into two parts. Part I focuses on liquid chromatography, which consists of an introductory chapter on principles, techniques, and utility, followed by specific chapters devoted to the individual systems comprising the total liquid chromatographic makeup. Gas chromatography is emphasized in Part II, introducing the basic theory and analyzing the systematic progression through possible malfunctions in various parts of the gas chromatograph. This publication is a good source for chromatographers, scientists, chemists, and technicians interested in the maintenance and troubleshooting of chromatographic systems.

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analysis and practical solutions help you make better buying decisions and get more from technology.

Annotation An arsenal of study aids for anyone preparing to take the CompTIA A+ certification exams, this book is the industry standard in terms of measuring a technician's hardware and software knowledge. The topics covered include managing hardware, IT troubleshooting and maintenance, networking, and more. This no-nonsense guide was created with one purpose in mind: to ensure your readiness to pass Microsoft's Windows Vista Configuration Exam 70-620. This Short Cut offers the edge you need to pass, including: Real exam insight, covering structure and question formats A difficult Windows Vista practice exam to help make sure you really know your stuff Invaluable exam survival test tips A fully up-to-date, hands-on guide to electric motors Keep electric motors running at peak performance! Electric Motor Maintenance and Troubleshooting, Second Edition explains in detail how all types of AC and DC motors work. Essential for anyone who needs to buy, install, troubleshoot, maintain, or repair small to industrial-size electric motors, this practical guide contains new information on three-phase motors along with coverage of the latest test instruments. Drawing on his more than 40 years of experience working with electric motors, expert author Augie Hand provides a wealth of tested procedures to pinpoint and correct

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any kind of issue. He'll help you decide whether to replace a motor, take it offline for repair, or repair it in place--decisions that can reduce down time. End-of-chapter questions reinforce the material covered in the book. Quickly and accurately diagnose electric motor problems and find effective solutions with help from this fully updated classic. Electric Motor Maintenance and Troubleshooting, Second Edition covers: Troubleshooting and testing DC machines AC electric motor theory Single-phase motors Three-phase induction motors Troubleshooting less common motors, including synchronous, two-speed one-winding, and multispeed Test instruments and services

In today ,s competitive markets, manufacturers strive to continually improve manufacturing performance to meet their business needs and goals. As process control loops have a major impact on a plant ,s financial performance, focusing on loop performance is critical. This technician ,s guide defines loop checking in the broader scope of control loop performance in addition to the more traditional terms of the plant startup. It discusses general methods and practices that can be applied across many processes/industries. Featured topics include: loop checking basics, factory acceptance testing, wiring and loop checks, performance benchmarking, and sustaining performance.

Society demands a world that is truly safe and secure for all children to be born

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and raised into! All pedophiles are lobotomized the first time they offend! All runaway parents are found through national registries and forced to support their abandoned children! All females are sterilized at the age of eight years old! The Catholic Church endorses the national policy of sterilization! All females are tagged on their skin with their medical records as proof of sterilization. Any female adult found in noncompliance is hunted down and physically forced to comply! Any and all supporters of non-compliance are harshly dealt with. Reversal of sterilization is only possible after a lengthy peer review to determine applicants worth eligibility to physically have, care and provide for a child. Constant monitoring is part of their acceptance for the procedure. Every new request for pregnancy requires a new review for eligibility, having passed once does not automatically ensure future allowed pregnancies. All this and more ensures a better society where the needs and rights of a child are placed before those of any adult.

This handbook shows how to prevent bearing failure, how to avoid replacement and down-time costs, and how to solve bearing failure problems quickly when they do occur - avoiding delayed orders and lost business. No other handbook covers such a wide range of bearing types and seals, shafts and housing, materials and manufacture. There is no other troubleshooting guide to help

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technicians and mechanics monitor, mount and dismount, and lubricate correctly. Rolling Bearings Handbook and Troubleshooting Guide puts the right maintenance and diagnostic procedures at your fingertips.

Electronic Equipment are used in various activities. This proliferation has resulted in a demand for and a corresponding shortage of qualified technicians for repair and maintenance. This book covers devices and components related to equipment like test instruments, medical instruments, digital equipment, microcomputers and microprocessor-based equipment. The reader will quickly learn the systematic procedures for identifying causes of faults and the practical methods of repairing them.

Understand, troubleshoot, repair, and upgrade your boat's electrical systems Frustrated by the high cost of basic electrical work but nervous about tackling such projects yourself? Get sound advice and guidance from author Ed Sherman, who wrote and teaches the American Boat & Yacht Council's certification program for electrical technicians. In Powerboater's Guide to Electrical Systems, he combines basic theory with step-by-step directions for troubleshooting problems, making repairs, and installing new equipment. Learn to Draw up a wiring diagram for your boat Locate and identify wiring and circuit components Select and use a multimeter Choose and maintain battery and

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marine ignition systems Troubleshoot starting, charging, and instrument problems Install DC and AC marine accessories, equipment, and electronics “Ed Sherman's nationally recognized expertise in electrical systems in boats makes him a natural choice to train and certify marine electricians. . . . He believes, as I do, that doing it right the first time will surely enhance your boating experience.”--C. T. “Skip” Moyer III, Past President, American Boat & Yacht Council

The Enterprise Operations Management Handbook provides the expert advice and guidance of hundreds of leading computing practitioners and consultants. Covering all major areas of enterprise operations management, this edition provides essential information for managing a modern, evolving data center. Topics include business issues, technology issues, and operational issues. This current, practical reference also reviews such critical areas as strategic planning, data center management, data center controls, systems planning, network technology, contingency planning, human resource planning, desktop computing, and future directions. The Enterprise Operations Management Handbook serves as an invaluable tool for designing, building, and maintaining a high-performance, service-oriented data center.

TroubleshootingA Technician's GuideIsa

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Discover a comprehensive introduction to IT technical support as Andrews/Dark/West's COMPTIA A+ GUIDE TO IT TECHNICAL SUPPORT, 10E explains how to work with users as well as install, maintain, troubleshoot and network computer hardware and software. This step-by-step, highly visual best-selling approach uses CompTIA A+ Exam objectives as a framework to prepare you for 220-1001 and 220-1002 certification exams. Each chapter covers core and advanced topics while emphasizing practical application of the most current technology, techniques and industry standards. You study the latest hardware, security, Active Directory, operational procedures, basics of scripting, virtualization, cloud computing, mobile devices and Windows 10 as you prepare for success as an IT support technician or administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Multilayer Flexible Packaging, Second Edition, provides a thorough introduction to the manufacturing and applications of flexible plastic films, covering materials, hardware and processes, and multilayer film designs and applications. The book gives engineers and technicians a better understanding of the capability and limitations of multilayer flexible films and how to use them to make effective packaging. It includes contributions from world renowned experts and is fully updated to reflect the rapid advances made in the field since 2009, also including an entirely new chapter on the use of bio-based polymers in flexible packaging. The result is a practical, but detailed reference for

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polymeric flexible packaging professionals, including product developers, process engineers, and technical service representatives. The materials coverage includes detailed sections on polyethylene, polypropylene, and additives. The dies used to produce multilayer films are explored in the hardware section, and the process engineering of film manufacture is explained, with a particular focus on meeting specifications and targets. In addition, a new chapter has been added on regulations for food packaging – including both FDA and EU regulations. Provides a complete introduction to multilayer flexible packaging, assisting plastics practitioners with the development, design, and manufacture of flexible packaging for food, cosmetics, pharmaceuticals, and more Presents thorough, well-written, and up-to-date reviews of the current technology by experts in the field, making this an essential reference for any engineer or manager Includes discussion and analysis of the latest rules and regulations governing food packaging

HVAC Water Chillers and Cooling Towers provides fundamental principles and practical techniques for the design, application, purchase, operation, and maintenance of water chillers and cooling towers. Written by a leading expert in the field, the book analyzes topics such as piping, water treatment, noise control, electrical service, and energy efficiency Troubleshooting loops and systems is something all technicians must do, but that few truly master. This newly revised edition draws on the author's long experience as an instrument and electrical engineer and his maintenance expertise to provide a detailed

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look at the skills and knowledge required for troubleshooting. Interspersed with a wealth of practical detail and real-world examples are Mostia's no-nonsense discussions of what a good troubleshooter needs to know. He provides an in-depth discussion of the basic logical framework that underlies all troubleshooting as well as advanced troubleshooting techniques. He also explores the causes of failures and the techniques that engineers and technicians use to trace them down. This new edition covers troubleshooting methods, both basic and advanced, hints and troubleshooting aids, troubleshooting safety, basic maintenance concepts, information about training, and the developing troubleshooting skills. It also includes numerous examples of troubleshooting problems in mechanical systems, process connections, pneumatic systems, electrical systems, electronic systems, and valves. Mostia also explores test equipment, programmable electronic systems, communication circuits, transient problems, and software.

This bundle includes the text *Essentials of Polysomnography, Second Edition* as well as the *Sleep Technician's Pocket Guide* and *The Sleep Technician's Flashcards*. The *Textbook Essentials of Polysomnography, Second Edition* is a 386-page, full color text designed specifically for sleep technicians and professionals. The new compact design and layout includes the same amount of content from the First Edition, with updated content and images. This textbook is written by William H. Spriggs, a certified sleep technician, and is used in hospitals, sleep labs, physician offices, and colleges and

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universities around the world. The Second Edition is ideal for training new sleep technicians, and students interested in studying polysomnography, as well as physicians, sleep lab managers, DME reps, and sleep lab front office staff members. The Second Edition is also a great reference and study tool to help prepare for the RPSGT and CPSGT certification exams. The new edition's content and questions reflect the new ICSD-3 classifications, AASM Rules and address the BRPT new exam blueprints as well as the revised AASM Manual for the Scoring of Sleep and Associated Events released in July 2013, content includes: An overview of normal sleep and the history of sleep disorders Patient education and the patient flow process Life as a Sleep Technician Patient Hookup Procedures Polysomnography overview and interpretation Pediatric sleep medicine Hundreds of sample epochs depicting sleep stages, artifacts, and events New chapters/topics in the Second Edition include: Medical and Neurological effects on sleep Effects of Medicine on Sleep Additional coverage and review questions on Data Storage and Archiving More in-depth coverage of Pediatrics, including pediatric scoring information Updated, as well as more, coverage on ECG All content is updated to reflect the ICSD-3, AASM, and BRPT changes The Pocket Guide The Sleep Technician's Pocket Guide, Second Edition contains all the information sleep technicians need at their fingertips while in the sleep lab--patient hookup, artifacts/troubleshooting, scoring, EKG rhythms, procedures and protocol, drugs and medications, and other basic information for quick reference. Each section is color-

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coded for fast reference. This handy pocket-sized reference guide, created specifically for Sleep Technicians, offers just the right amount of information to help guide actions in the lab. The Pocket Guide is also a great reference and study tool to help prepare for the RPSGT and CPSGT certification exams. Pages are waterproof and stain-proof! All content is updated to reflect the ICSD-3, AASM, and BRPT changes. The Flashcards The Sleep Technician's Flashcards, Second Edition are designed to test and reinforce students' knowledge base to prepare for the CPSGT and RPSGT board exams. This convenient study aid allows students to quiz themselves throughout their busy day.

With 275 cards, these flashcards will help students maximize their comprehension of polysomnography and prepare them for their Certified Polysomnographic Technologist (CPSGT) and Registered Polysomnographic Technologist (RPSGT) Examinations. All content is updated to reflect the ICSD-3, AASM, and BRPT changes.

Gain the Sybex advantage with this complete guide to A+ certification The CompTIA A+ Complete Study Guide is your complete solution for A+ exam preparation. Covering 100% of Exam 220-901 and Exam 220-902 objectives, this book gives you everything you need to ensure that you not only understand the basics of IT, but that you can demonstrate your understanding effectively. Now in its third edition, this guide has been updated to reflect the exam's new focus. Coverage includes the latest best practices, Windows 8/8.1 and mobile OSes, and an emphasis on the practical skills required on the job. Clear and concise, this book helps you solidify your understanding of crucial

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hardware and operating system maintenance and troubleshooting topics covered on the exam. You also gain access to the Sybex exclusive online interactive learning environment and test bank, featuring bonus practice exams, electronic flashcards, and a searchable PDF glossary of the most important terms you need to understand. The CompTIA A+ certification is the essential computer technician credential, and is required by over 100 leading employers. This book helps you prepare and practice so you can approach the exam with confidence, and pass with flying colors. Review the components of personal computers, laptops, and portable devices Understand operating systems, networks, and security Get up to speed on safety and environmental issues Practice effective communication and the "soft skills" of professionalism More than just a review of computer parts, this book covers everything you'll see on the exam. Why go in unprepared when you can have the Sybex advantage?

The Avionics Technician Handbook- Volume One was written by technicians for technicians to be the Handbook for the line maintenance technician to have in the field. This book provides information about those avionics systems that provide the interface between the pilot and the aircraft systems and the concepts on use of typical avionics test equipment. These two volumes are design to prepare technicians for the NCATT Add On ratings for Radio Communications Systems, On board Safety Systems, Dependent Navigation System and Autonomous

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Navigation Systems. These books are also created to teach real system testing and troubleshooting of avionics systems. These systems include: Principles of test equipment calibration, General Aviation Cockpit Orientations, Operations of and troubleshooting with a basic multimeter, testing with an Oscilloscope, Using a Megohmmeter or Insulation tester, Testing with a TDR, Performing an aircraft Compass system swing, test and calibrate an aircraft fuel quantity system, performing a test of an aircrafts Pitot/Static System, Operation and testing of aircraft engine indication systems. This book is a must have for those pilots wishing to understand the operation of the avionic systems in most GA and Air Carrier aircraft. Pilots today need to have a better understanding of the systems to work with the technicians when troubleshooting problems.

*Fully revised updated edition. first edition was strong seller - over 30,000 sold.

*Ties into the booming A+ Certification market. A+ technicians specialize in PC hardware troubleshooting. *Follows success of Pocket Reference Series by Bigelow, which has sold over 70,000 copies. *Handy format - designed for technicians, in a convenient, portable, pocket-sized edition. *Leading author - Bigelow's last three books have sold well over 250,000 copies.

Essential Skills for a Successful IT Career Mike Meyers, the leading authority on CompTIA A+ training and certification, has helped hundreds of thousands of

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people master CompTIA A+ PC technician skills-and now he can help you, too. Completely updated for the new CompTIA A+ standards, Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Second Edition will help you pass the CompTIA A+ certification exams and become an expert hardware technician. Inside, you'll find helpful on-the-job tips, end-of-chapter practice questions, and hundreds of photographs and illustrations. Learn how to: Work with CPUs, RAM, and motherboards Install, partition, and format hard drives Work with portable PCs, PDAs, and wireless technologies Install, upgrade, and troubleshoot Windows 2000 Professional and Windows XP Install sound and video cards Manage printers and connect to networks Implement security measures Understand safety and environmental issues Establish good communication skills and adhere to privacy policies The CD-ROM features: Eight full practice exams covering CompTIA A+ Essentials and Exams 220-602, 220-603, and 220-604 One hour of LearnKey video training featuring Mike Meyers teaching key CompTIA A+ topics Electronic copy of the book Complete exam objective map for all four exams List of official CompTIA A+ acronyms Useful tools and utilities for PC technicians Each chapter includes: Learning objectives Photographs and illustrations Real-world examples Try This! and Cross Check exercises Tech tips, notes, and warnings End-of-chapter quizzes

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and lab projects

Elevators move large numbers of people up and down each day, mostly without incident, thanks to a strongly developed system of safety measures and the work of highly trained and experienced professionals. In performing elevator maintenance and repair, there are numerous technical factors, not to mention huge moral and legal issues. Workers need to fully understand proper maintenance procedures so that all safeguards remain in effect. It's also essential to be aware of applicable regulations, and to maintain compliance at all times. For those serious about engaging in elevator work, the appropriate licenses must be acquired--an electrician's license and elevator mechanic's license. These are not achieved overnight. This work covers everything a student or current technician needs to know to perform elevator diagnosis, maintenance, troubleshooting, and repair, and details all the knowledge a technician must have to properly service elevators in various situations. It is also the only work that includes helpful questions and corresponding answers for those who are studying to obtain their elevator mechanic's license. Features Offers sample certification questions and answers for those looking to get their Elevator Mechanic's license. Places an emphasis on safety interlocks and the elevator system as a whole. Includes a history of elevators to give readers perspective on the industry and

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advancements in technology to date. Written by a renowned electrician with regular columns and contributions in Elevator World and Electrical Construction and Maintenance magazines.

Become a more effective tech professional by learning how to provide the most useful IT support for your users. You'll learn how to efficiently and effectively deal with any type of problem, including operating systems, software, and hardware. IT support is often complex, time-consuming, and expensive, but it doesn't have to be with the right processes in place. Whether you're an individual, part of an IT support team, or managing staff supporting PC users in their homes, The IT Support Handbook will help you understand the right way to approach, troubleshoot, and isolate problems so they can be handled efficiently, with least disruption and cost to your business. You'll make yourself popular with your colleagues, and keep your customers and users happy and productive. What You'll Learn Manage reporting, and keep a record of issues that occur Provide effective remote support for users away from home or working in another office Use error and system reporting in Windows to obtain high-quality, relevant information Spot patterns in user behavior that may be causing difficult-to-diagnose problems Be familiar with best practices to make you a better support professional Who This Book Is For IT professionals, IT support (on-site and

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remote), and system administrators who manage support teams. No prior knowledge is required.

Peterson's Two-Year Colleges 2011 includes information on nearly 2,000 accredited two-year undergraduate institutions in the United States and Canada, as well as some international schools. It also includes scores of detailed two-page descriptions written by admissions personnel. College-bound students and their parents can research two-year colleges and universities for information on campus setting, enrollment, majors, expenses, student-faculty ratio, application deadline, and contact information. **SELLING POINTS:** Helpful articles on what you need to know about two-year colleges: advice on transferring and returning to school for adult students; how to survive standardized tests; what international students need to know about admission to U.S. colleges; and how to manage paying for college State-by-state summary table allows comparison of institutions by a variety of characteristics, including enrollment, application requirements, types of financial aid available, and numbers of sports and majors offered Informative data profiles for nearly 2,000 institutions, listed alphabetically by state (and followed by other countries) with facts and figures on majors, academic programs, student life, standardized tests, financial aid, and applying and contact information Exclusive two-page in-depth descriptions written by college

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administrators for Peterson's Indexes offering valuable information on associate degree programs at two-year colleges and four-year colleges-easy to search alphabetically

This book introduces information technology topics foundational to many services offered in libraries and information centers. Written by a librarian with extensive experience as a technology specialist in libraries the book clearly explains concepts information technology principles with an eye toward their practical applications in libraries.

Today's rapidly changing technology offers increasingly complex challenges to the network administrator, MIS director and others who are responsible for the overall health of the network. This Network Maintenance and Troubleshooting Guide picks up where other network manuals and texts leave off. It addresses the areas of how to anticipate and prevent problems, how to solve problems, how to operate a healthy network and how to troubleshoot. Network Maintenance and Troubleshooting Guide also provides basic technical and troubleshooting information about cable testing, Ethernet and Token Ring networks and additional information about Novell's IPX(R) protocol and TCP/IP. Examples are shown as either diagrams and tables, or screen captures from Fluke instruments. Network professionals will appreciate the guide's "real world" orientation toward solving network crises quickly, by guiding readers to solutions for restoration of end to end data delivery as quickly as possible. The network novice

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will learn from the simplified descriptions about networking technology in the Appendices.

Troubleshooting, Maintaining, & Repairing PCs will be the most comprehensive maintenance, configuration, & repair guide for IBM PCs, compatibles, & portables (and their peripherals). It will provide all levels of computer service personnel with a complete guide to computer service & repair by explaining the common failures of each major computer subsection & peripheral, then providing practical, realistic solutions to such problems.

This comprehensive review of calibration provides an excellent foundation for understanding principles and applications of the most frequently performed tasks of a technician. Topics addressed include terminology, bench vs. field calibration, loop vs. individual instrument calibration, instrument classification systems, documentation, and specific calibration techniques for temperature, pressure, level, flow, final control, and analytical instrumentation. The book is designed as a structured learning tool with questions and answers in each chapter. An extensive appendix containing sample P&IDs, loop diagrams, spec sheets, sample calibration procedures, and conversion and reference tables serves as very useful reference. If you calibrate instruments or supervise someone that does, then you need this book.

Network Maintenance and Troubleshooting Guide Field-Tested Solutions for Everyday Problems, Second Edition Neal Allen The 100% practical, real-world guide to

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anticipating, finding, and solving network problems—fast! Real-life networks don't always behave "by the book." Troubleshooting them requires practical intuition that normally comes only with experience. In this book, Fluke Networks' Neal Allen brings together all that hard-won, hands-on insight: everything you need to discover what's really happening in your network, so you can anticipate and fix problems before users even notice them. Writing for network technicians and administrators at all levels, Allen presents an approach to troubleshooting that has been proven in networks of all kinds, no matter how complex. He introduces indispensable triage and troubleshooting techniques for everything from copper and fiber cabling to IPv6, and presents unparalleled guidance on identifying and resolving problems at the MAC Layer. He illustrates his advice with diagrams, tables, and screen captures from Fluke Networks' market-leading instruments. Throughout this book, Allen also offers practical summaries of each of today's core networking technologies, making it an ideal complement to any network certification study guide. Coverage includes Using the OSI model to more efficiently troubleshoot networks layer by layer Copper and fiber-optic cabling: theory, operation, and troubleshooting Media Access Control (MAC) Layer: Ethernet theory and operation Identifying and resolving problems related to IPv4 and IPv6 protocols Preventing problems before they occur Discovering device behavior Troubleshooting switches Using a protocol analyzer more successfully Creating network documentation that helps you more efficiently prevent and resolve problems

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Road tested by thousands of Fluke Networks customers, this book's first edition became the best-kept secret resource for sysadmins, netadmins, and support technicians fortunate enough to discover it. Now, Allen has thoroughly updated his classic for today's networks. If you're responsible for maintaining one of those networks, you'll find this new Second Edition even more indispensable. Neal Allen is a senior staff engineer in the Fluke Networks' Technical Assistance Center (TAC) focusing on escalated problems. He has been involved in designing, installing, and troubleshooting networks for nearly 20 years. Allen has served on Interop's trade show Network Operations Center (NOC) team since 1993, troubleshooting show-floor problems at the Las Vegas and Atlanta Interop trade shows, and helped support and troubleshoot the network for the 1996 Atlanta Olympic Games. His responsibilities currently include product feature specification and beta testing, remote and onsite problem solving, and providing training and sales support worldwide. informit.com/aw

Cover design by Louisa Adair Cover photography from Image Source / Getty Images

Highlighting and illustrating several important and interesting theoretical trends that have emerged in the continuing development of instructional technology, this book's organizational framework is based on the notion of two opposing camps. One evolves out of the intelligent tutoring movement, which employs artificial-intelligence technologies in the service of student modeling and precision diagnosis, and the other emerges from a constructivist/developmental perspective that promotes exploration and

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social interaction, but tends to reject the methods and goals of the student modelers. While the notion of opposing camps tends to create an artificial rift between groups of researchers, it represents a conceptual distinction that is inherently more interesting and informative than the relatively meaningless divide often drawn between "intelligent" and "unintelligent" instructional systems. An evident trend is that researchers in both "camps" view their computer learning environments as "cognitive tools" that can enhance learning, performance, and understanding. Cognitive tools are objects provided by the instructional environment that allow students to incorporate new auxiliary methods or symbols into their social problem solving which otherwise would be unavailable. A final section of the book represents researchers who are assimilating and accommodating the wisdom and creativity of their neighbors from both camps, perhaps forming the look of technology for the future. When the idea of model tracing in a computer-based environment is combined with appreciation for creative mind-extension cognitive tools and for how a community of learners can facilitate learning, a camp is created where AI technologists and social constructivist learning theorists can feel equally at home.

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