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P12JCK - GAEL STOUT

This book looks at the foundations of school self-evaluation from a scientific as from a practical perspective. Planning concepts, restructuring of education systems, organizational theory on schools, evaluation methodology and models of school effectiveness and school improvement are discussed as contributing to the overall conceptualization of school self-evaluation. A broad range of approaches is presented and methodological requirements are discussed. School self-evaluation contains controversial issues that reflect tension between the need for objectivity in a context that is permeated by values and potential conflicts of interests. Similar tensions may be seen to exist with respect to the static and "reductionist" aspects of available data collection procedures in a complex and dynamic situation and the appeal for external accountability on the one hand and improvement oriented self-refection on the other. The mission of the book is to clarify these tensions and offer ways to deal with them in practical applications. The school effectiveness knowledge base is offered as a substantive educational frame of references that serves an important function in selecting relevant factors for data collection and the use of the evaluation results.

Non-Destructive Testing, Volume 4 contains the proceedings of the Fourth European Conference held in London on September 13-17, 1987. Contributors explore a variety of topics related to non-destructive testing (NDT), including ultrasonic techniques, ultrasonic systems, electromagnetic techniques, condition monitoring of plant and structures, and magnetic particle and penetrant techniques. This text is comprised of 98 chapters; the first of which describes an ultrasonic technique for the assessment of the fat content of live beef animals for breeding purposes. Attention then turns to measurements of the longitudinal ultrasonic wave attenuation in spheroidal graphite iron test pieces subjected to fatigue loads. The chapters that follow focus on ultrasonic imaging; dry coupling probes; an expert system for ultrasonic examination of fuel rods; engineering and medical applications of diagnostic ultrasound; and signal processing of 3D maps of eddy currents. The reader is also methodically introduced to automation of eddy current testing; the use of artificial intelligence in vibration-based health monitoring; automated inspection of magnetic particles; and the theory and practice of acoustic emission. This text concludes with a chapter that reviews the NDT research program of the National NDT Center of Harwell Laboratory in the UK. This book will be of interest to materials scientists, materials engineers, and metallurgists.

Monitoring and Evaluation Training fills a gap in the literature by providing readers with a systematic approach to monitoring and evaluation (M&E) training for programs and projects. Bridging theoretical concepts with practical, how-to knowledge, authors Scott Chaplowe and J. Bradley Cousins draw upon the scholarly literature, applied resources, and over 50 years of combined experience to provide expert guidance for M&E training that can be tailored to different training needs and contexts, from training for professionals or non-professionals, to organization staff, community members, and other groups with a desire to learn and sustain sound M&E practices.

The Events Standard Formats constitute one of several tools developed by HURIDOCS to help human rights NGOs and other organizations enhance their capacity to monitor human rights. The formats can be used to document human rights violations, to facilitate database design, and to encourage standardized information exchange. The formats may be used in conjunction with HURIDOCS' Micro-thesauri.

Hundreds of billions of dollars are lost globally each year due to project and program failures in virtually all fields. Continued project failures, setbacks and losses have prompted me to question the adequacy of the current concepts, models and practices of project and program management, and to explore opportunities for change. In my view the contemporary approaches do not adequately address the real challenges of planning and delivery of projects and programs of significant size. Evidence from numerous field studies shows that projects and programs continue to underperform, or fail with massive losses and disillusioned clients and sponsors. Clearly, a fresh perspective and approach is needed to ensure that projects will deliver the outcomes that the stakeholders aspire to. For this to realise, it is imperative that client and sponsor organisations adopt a new mindset, and a vastly different approach to management of projects and programs. It is incumbent upon all client bodies to exercise a hands-on proactive approach, ensure that they understand complexities, and invest in creating the requisite capabilities for planning and management of their projects and programs. I have written this book, together with Volume 2, in a style that can assist both scholars and practitioners to adopt and tailor the contents to suit their needs. My main motivation is to promote a more strategic and integrative approach to planning and delivery of projects and programs of significant size. I have attempted to bring together the key elements of knowledge related to project business and project management, and present these in a consistent and coherent framework, coupled with the relevant processes needed for their practical application. The integrated business and project management (IBPM) approach embodies a fresh perspective, frameworks, processes and tools for strategic planning, development and management of projects and programs of significant size.

CHAPTER-1 AN OVERVIEWING OF ONLINE LEARNING CHALLENGES AND PROSPECTS Ceren DOĞAN, Betül BAL GEZEGİN CHAPTER-2 ASSESSMENT IN ONLINE LEARNING: PRINCIPLES OF EFFECTIVE ONLINE EVALUATION Mustafa SIRAKAYA, Ece LEVENTOĞLU CHAPTER-3 TEACHER-STUDENT INTERPERSONAL RELATIONSHIP, EFL LEARNERS’ MOTIVATION AND AUTONOMY

IN ONLINE LEARNING Elham ZARFSAZ, Serpil UÇAR CHAPTER-4 TEACHERS' WELLBEING IN ONLINE COURSES Parisa YEGANEHPOUR CHAPTER-5 UNDERGRADUATE STUDENTS' ACADEMIC SUCCESS IN ONLINE LEARNING ENVIRONMENTS: THE ROLE OF SELF-REGULATION Serpil UÇAR, Elham ZARFSAZ CHAPTER-6 ACTIVITIES AND TOOLS FOR WORKING COLLABORATIVELY AND INDEPENDENTLY Yeliz YAZICI DEMİR

Basic Concepts of Environmental Chemistry, Second Edition provides a theoretical basis for the behavior and biological effects of natural chemical entities and contaminants in natural systems, concluding with a practical focus on risk assessment and the environmental management of chemicals. The text uses molecular properties such as polarity, water solubility, and vapor pressure as the starting point for understanding the environmental chemistry of various contaminants in soil, water, and the atmosphere. It explains biological processes such as respiration and photosynthesis and their relationship to greenhouse gases. The book then introduces environmental toxicology and describes the distribution, transport, and transformation of contaminants, including PCBs and dioxins, plastics, petroleum and aromatic hydrocarbons, soaps and detergents, and pesticides. The author highlights the relationship between specific chemical properties and their environmental and biological effects. Other topics discussed include partition behavior, fugacity, and genotoxicity, particularly involving carcinogens. The second edition updates the contents and incorporates the latest advances in the field since the 1997 edition was published. It presents an entirely new chapter on metals, which underlines the correlation between metallic properties and their behavior in the environment, as well as new sections on radionuclides and acid drainage water. The chapter on atmospheric chemistry and pollution has been substantially expanded including photochemical smog, the Greenhouse Effect, and pollution processes in the atmosphere and acid rain. The author also adds recent approaches to ecotoxicology, ecological, and human risk assessments to include the probabilistic approach. Basic Concepts of Environmental Chemistry, Second Edition is a practical textbook for teaching students the basic concepts of chemistry in the framework of the environment and a practical reference for anyone involved in the management and disposal of industrial chemicals and emissions, occupational health and safety, and the protection of the natural environment.

One of the key tools in effectively managing critical illness is the use of mechanical ventilator support. This essential text helps you navigate this rapidly evolving technology and understand the latest research and treatment modalities. A deeper understanding of the effects of mechanical ventilation will enable you to optimize patient outcomes while reducing the risk of trauma to the lungs and other organ systems. A physiologically-based approach helps you better understand the impact of mechanical ventilation on cytokine levels, lung physiology, and other organ systems. The latest guidelines and protocols help you minimize trauma to the lungs and reduce patient length of stay. Expert contributors provide the latest knowledge on all aspects of mechanical ventilation, from basic principles and invasive and non-invasive techniques to patient monitoring and controlling costs in the ICU. Comprehensive coverage of advanced biological therapies helps you master cutting-edge techniques involving surfactant therapy, nitric oxide therapy, and cytokine modulators. Detailed discussions of both neonatal and pediatric ventilator support helps you better meet the unique needs of younger patients.

POWER SYSTEM MONITORING AND CONTROL An invaluable resource for addressing the myriad critical technical engineering considerations in modern electric power system design and operation Power System Monitoring and Control (PSMC) is becoming increasingly significant in the design, planning, and operation of modern electric power systems. In response to the existing challenge of integrating advanced metering, computation, communication, and control into appropriate levels of PSMC, Power System Monitoring and Control presents a comprehensive overview of the basic principles and key technologies for the monitoring, protection, and control of contemporary wide-area power systems. A variety of topical issues are addressed, including renewable energy sources, smart grids, wide area stabilizing, coordinated voltage regulation and angle oscillation damping—as well as the advantages of phasor measurement units (PMUs) and global positioning system (GPS) time signal. Analysis and synthesis examples, along with case studies, add depth and clarity to all topics. Provides an up-to--date and comprehensive reference for researchers and engineers working on wide-area PSMC Links fundamental concepts of PSMC, advanced metering and control theory/techniques, and practical engineering considerations Covers PSMC problem understanding, design, practical aspects, and topics such as smart grid and coordinated angle oscillation damping and voltage regulation Incorporates the authors' experiences teaching and researching in international locales including Japan, Singapore, Malaysia, and Australia Power System Monitoring and Control is ideally suited for a graduate course on this topic. It is also a practical reference for researchers and professional engineers working in power system monitoring, dynamic stability and control.

This 'Handbook on Planning, Monitoring and Evaluating for Development Results' is an updated edition of the 2002 edition of 'Handbook on Monitoring and Evaluation for Results'. It seeks to address new directions in planning, monitoring and evaluation in the context of the United Nations Development Programme (UNDP) corporate strategic plan, the requirements of the UNDP evaluation policy approved by the Executive Board in 2006 and the United Nations Evaluation Group (UNEG) 'Standards for Evaluation in the UN System'. The updated Handbook also incorporates information recommended by key users of the Handbook during various workshops held by UNDP units.

The dynamic banking and financial services environment in the country calls for prudent decision making under pressure. Management of Banking and Financial Services provides students and practitioners with a thorough understanding of managerial issues in the banking and financial services industry, enabling them to evaluate the overall organisational impact of their decisions. The first section of the book focuses on the basic concepts of banking and financial services, and the other sections explain how these concepts are applied in the global banking environment as well as in India. In addition to presenting the big picture of the banking and financial services industry, the book also provides useful tips on the trade-off between risk and return.

The three volume set LNICST 84 - LNICST 86 constitute the refereed proceedings ofthe Second International Conference on Computer Science and InformationTechnology, CCSIT 2012, held in Bangalore, India, in January 2012. The 55 revised full papers presented in this volume were carefully reviewed andselected from numerous submissions. The papers are organized in topical sectionson advances in computer science and information technology; and ad hoc andubiquitous computing.

This book presents methodological development in educational measurement, monitoring on the basis of indicator systems, and review-type approaches such as inspection and school self-evaluation.

This book examines the question of how

military power has and might be used to help protect those who are in danger.

Written for industrial and academic researchers and development scientists in the life sciences industry, Bioprocessing Technology for Production of Biopharmaceuticals and Bioproducts is a guide to the tools, approaches, and useful developments in bioprocessing. This important guide: • Summarizes state-of-the-art bioprocessing methods and reviews applications in life science industries • Includes illustrative case studies that review six milestone bio-products • Discuses a wide selection of host strain types and disruptive bioprocess technologies

Presents the main concepts and methodologies for the design, monitoring and evaluation procedures for technical cooperation programmes and projects.

Ludwig (Institut fur Informatik, Ruprecht-Karls-Universitat Heidelberg, Germany) and Miller (computer science, U. of Wisconsin, US) present five papers examining the construction and methodology of tools for debugging and performance analysis in parallel programs. After a review of the past decade's work in debuggers and performance analyzers, papers look a tool infrastructure, an operational tool environment for multi-thread and multi-process debugging and execution visualization, multi-execution performance tuning, and the specification of performance properties of parallel applications using compound events. Annotation : 2004 Book News, Inc., Portland, OR (booknews.com).

Developing Monitoring and Evaluation Frameworks is a practical book that provides clear, step-by-step guidance on how to develop a monitoring and evaluation framework in a participatory, logical, systematic, and integrated way. Authors Anne Markiewicz and Ian Patrick outline the key stages and steps involved, including: scoping the framework; identifying planned results; using program theory and program logic; developing evaluation questions; identifying processes for ongoing data collection and analysis; determining means to promote learning; reporting; and dissemination of results. A final chapter focuses on planning for implementation of the framework, with reference to the broader program and organizational context. The authors draw on their extensive experience in developing monitoring and evaluation frameworks to provide examples of good practice that inform organizational learning and decision making, while offering tips and guidelines that can be used to address common pitfalls.

An effective state is essential to achieving socio-economic and sustainable development. With the advent of globalization, there are growing pressures on governments and organizations around the world to be more responsive to the demands of internal and external stakeholders for good governance, accountability and transparency, greater development effectiveness, and delivery of tangible results. Governments, parliaments, citizens, the private sector, NGOs, civil society, international organizations and donors are among the stakeholders interested in better performance. As demands for greater accountability and real results have increased, there is an attendant need for enhanced results-based monitoring and evaluation of policies, programs, and projects. This Handbook provides a comprehensive ten-step model that will help guide development practitioners through the process of designing and building a results-based monitoring and evaluation system. These steps begin with a OC Readiness AssessmentOCO and take the practitioner through the design, management, and importantly, the sustainability of such systems. The Handbook describes each step in detail, the tasks needed to complete each one, and the tools available to help along the way."

Traditional computing concepts are maturing into a new generation of cloud computing systems with wide-spread global applications. However, even as these systems continue to expand, they are accompanied by overall performance degradation and wasted resources. Emerging Research in Cloud Distributed Computing Systems covers the latest innovations in resource management, control and monitoring applications, and security of cloud technology. Compiling and analyzing current trends, technological concepts, and future directions of computing systems, this publication is a timely resource for practicing engineers, technologists, researchers, and advanced students interested in the domain of cloud computing.

Basic Concepts of Clinical Electrophysiology in Audiology is a revolutionary textbook, combining the research and expertise of both distinguished experts and up-and-coming voices in the field. By taking a multidisciplinary approach to the subject, the editors of this graduate-level text break down all aspects of electrophysiology to make it accessible to audiology students. In addition to defining the basics of the tools of the trade and their routine uses, the authors also provide ample presentations of new approaches currently undergoing continuing research and development. The goal of this textbook is to give developing audiologists a broad and solid basis of understanding of the methods in common or promising practice. Throughout the text, individual chapters are divided into “episodes,” each examining a facet of the overarching chapter’s topic. With different experts handling each episode, readers are exposed to outstanding professionals in the field. This text singularly stitches together the chapters and their episodes to build from foundational concepts to more complex issues that clinicians are likely to face on their road to full clinical competency. As collections of episodes, the writers and editors thus endeavor to present a series of stories that build throughout the book, in turn allowing readers to build a broader interest in the subject. Key Features * Heads Up sections in each chapter introduce more advanced content to expose readers to what lies beyond the basic level and further enhance the main chapter content and “entertainment value” * Take home messages at the end of each chapter serve to focus the reader’s attention, encourage review, and discourage superficial learning by “just reading the abstract” * More than 450 innovative illustrations use combinations of panels, insets, and/or gray tone to facilitate reader understanding, optimize portrayal of data, and unify concepts across chapters * Numerous case studies and references to practical clinical issues and results are included throughout the book * Keywords are highlighted in-text to improve both attention and retention of critical terms and ease of returning to review them

“...a comprehensive and well written book, which...will be useful reading for both researchers entering the field and experienced specialists looking for new ideas....a valuable and long-lasting contribution to experimental mechanics.” – Stepan Lomov, KU Leuven This expert volume, an enhanced Habilitation thesis by the head of the Materials Testing Research Group at the University of Augsburg, provides detailed coverage of a range of inspection methods for insitu characterization of fiber-reinforced composites. The failure behavior of fiber reinforced composites is a complex evolution of microscopic damage phenomena. Beyond the use of classical testing methods, the ability to monitor the progression of damage insitu offers new ways to interpret the materials failure modes. Methods covered include digital image correlation, acoustic emission, electromagnetic emission, computed tomography, thermography, shearography, and promising method combinations. For each method, the discussion includes operational principles and practical applications for quality control as well as thoughtful assess-

ment of the method's strengths and weakness so that the reader is equipped to decide which method or methods are most appropriate in a given situation. The book includes extensive appendices covering common experimental parameters influencing comparability of acoustic emission measurements; materials properties for modeling; and an overview of terms and abbreviations.

This book constitutes the thoroughly refereed post-conference proceedings of the 23rd IFIP WG 1.3 International Workshop on Algebraic Development Techniques, WADT 2016, held in September 2016 in Gregynog, UK. The 9 revised papers presented together with two invited talks, one invited paper and two survey papers were carefully reviewed and selected from numerous submissions and focus on foundations of algebraic specification; other approaches to formal specification, including process calculi and models of concurrent, distributed and mobile computing; specification languages, methods, and environments; semantics of conceptual modeling methods and techniques; model-driven development; graph transformations, term rewriting and proof systems; integration of formal specification techniques; formal testing and quality assurance, validation, and verification areas, broadly falling into three categories: multimedia content analysis; multimedia signal processing and communications; and multimedia applications and services.

Written as a result of a several-year research project using Computational Intelligence techniques for solving condition monitoring and diagnosis problems of machineries at the Norwegian University of Science and Technology, this book is about intelligent system development. In order to survive in an uncertain and complex environment, it is necessary to bring Artificial Neural Networks, Fuzzy Logic Systems, Genetic Algorithms and Expert systems together to make a condition monitoring and diagnosis system more effective, reliable, and cost effective than the traditional one. The focus of Intelligent Condition Monitoring and Diagnosis System is on practical applications of intelligent techniques. It provides practicing engineers and scientists with the information they need to solve the problems in both industry and academia.

This book presents the proceedings and the outcomes of the NATO Advanced Research Workshop (ARW) on Integrated Technologies for Environmental Monitoring and Information Production, which was held in Marmaris, Turkey, between September 10- 14, 200 I. With the contribution of 45 experts from 20 different countries, the ARW has provided the opportunity to resolve the basic conflicts that tend to arise between different disciplines associated with environmental data management and to promote understanding between experts on an international and multidisciplinary basis. The prevailing universal problem in environmental data management (EDM) systems is the significant incoherence between data collection procedures and the retrieval of information required by the users. This indicates the presence of problems still encountered in the realization of; (1) delineation of objectives, constraints, institutional aspects of EDM; (2) design of data collection networks; (3) statistical sampling; (4) physical sampling and presentation of data; (5) data processing and environmental databases; (6) reliability of data; (7) data analysis and transfer of data into information; and (8) data accessibility and data exchange at local, regional and global scales. Further problems stem from the lack of coherence between different disciplines involved in EDM, lack of coordination between responsible agencies on a country basis, and lack of coordination on an international level regarding the basic problems and relevant solutions that should be sought.

This book constitutes the refereed proceedings of the 4th D-A-CH Conference on Energy Informatics, D-A-CH EI 2015, held in Karlsruhe, Germany, in November 2015.The 18 revised full papers presented were carefully reviewed and selected from 36 submissions. The papers are organized in topical sections on distributed energy sources and storage, smart meters and monitoring, research lab infrastructures, electric mobility, communication and security, and modeling and simulation.

International guidelines recommend that clinical trial data should be actively reviewed or monitored; the well-being of trial participants and the validity and integrity of the final analysis results are at stake. Risk-based monitoring (RBM) makes use of central computerized review of clinical trial data and site metrics to determine if and when clinical sites should receive more extensive quality review or intervention. Risk-Based Monitoring and Fraud Detection in Clinical Trials Using JMP and SAS describes analyses for RBM that incorporate and extend the recommendations of TransCelerate Biopharm Inc., methods to detect potential patient-or investigator misconduct, snapshot comparisons to more easily identify new or modified data, and other novel visual and analytical techniques to enhance safety and quality reviews. The analytical methods described enable the clinical trial team to take a proactive approach to data quality and safety to streamline clinical development activities and address shortcomings while the study is ongoing.

In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world.

This volume has been developed as a step-by-step guide for professionals involved in designing, implementing, monitoring and evaluating developmental interventions. It introduces and elucidates the key concepts and procedures involved, starting from the fundamentals of project design and management, the basics of monitoring and evaluation, and the development of a performance monitoring plan to different approaches to monitoring, choosing appropriate evaluation designs, approaches to evaluation, the analysis of monitoring and evaluation, and finally implementing this information in a project environment. In order to provide further context, the manual uses real project examples which help in buttressing the understanding of the readers and enable adoption of these practices in such projects.

Environmental Monitoring and Characterization is an integrated, hands-on resource for monitoring all aspects of the environment. Sample collection methods and relevant physical, chemical and biological processes necessary to characterize the environment are brought together in twenty chapters which cover: sample collection methods, monitoring terrestrial, aquatic and air environments, and relevant chemical, physical and biological processes and contaminants. This book will serve as an authoritative reference for advanced students and environmental professionals. Examines the integration of physical, chemical, and biological processes Emphasizes field methods and real-time data acquisition, made more accessible with case studies, problems, calculations, and questions Includes four color illustrations throughout the text Brings together the concepts of environmental monitoring and site characterization

It is important to understand what came before and how to meld new products with legacy systems. Network managers need to understand the context and origins of the systems they are using. Programmers need an understanding of the reasons behind the interfaces they must satisfy and the relationship of the software they build to the whole network. And finally, sales representatives need to see the context in-

to which their products must fit.

This book includes 70 selected papers from the Ninth International Conference on Fuzzy Information and Engineering (ICFIE) Satellite, which was held on December 26–30, 2018; and from the 9th International Conference on Fuzzy Information and Engineering (ICFIAE), which was held on February 13–15, 2019. The two conferences presented the latest research in the areas of fuzzy information and engineering, operational research and management, and their applications.

For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material.This book and its predecessors have become the industry classic guide on the topic of ITIL. Over the years this authoritative guide has earned its place on the bookshelves and in the briefcases of industry experts as they implement best practices within their organizations.This version has now been upgraded to reflect ITIL 2011 Edition. Written in the same concise way and covering all the facts, readers will find that this title succinctly covers the key aspects of the ITIL 2011 Edition upgrade.The ITIL 2011 Edition approach covering the ITIL Lifecycle is fully covered. The new and re-written processes in ITIL 2011 Edition for strategy management and business relationship management are included, as well as the other new and improved concepts in ITIL 2011 Edition . This means that it is easy for all readers to access and grasp the process concepts that are so pivotal to many service management day-to-day operations. This title covers the following: Lifecycle phase: Service strategy Lifecycle phase: Service design Lifecycle phase: Service transition Lifecycle phase: Service operation Lifecycle phase: Continual service improvement