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Analysing Design Activity - Nigel Cross 1997-01-23
Design encompasses some of the highest cognitive abilities of human beings, including creativity, synthesis and problem solving. A substantial and varied range of research methods has been developed and adopted for the analysis of design activity, but until now it has been difficult to compare the work of different researchers using different methods. This book contains the results of an international workshop held in Delft, The Netherlands, which focused on one particular research method, that of protocol analysis. Researchers from seventeen different leading centres around the world were invited to analyse the same video recordings of designers working on an engineering product design. The 20 chapters in this book are the records of that workshop, providing rich insights into the design process and an overview of accumulated knowledge on design from these researchers. There is also a discussion of the properties and limitations of protocol analysis as a research technique for analysing design activity. The book is a substantial contribution to developing understanding of the nature of design activity, and is of value to researchers, teachers and practitioners of design.
The Big Book of Packaging - Sandeep Kumar Goyal 2016

Scaling Topic Maps - Lutz Maicher 2008-08-15
The papers in this volume were presented at TMRA 2007, the International Conference on Topic Maps Research and Applications, held October 11–12, 2007, in Leipzig, Germany. TMRA 2007 was the third conference in an annual series of international conferences dedicated to Topic Maps in science and industry. The motto of TMRA 2007 was "Scaling Topic Maps." Taken literally the motto implies developing Topic Maps approaches that scale to large data and user volumes. This is a very real and useful research problem which is addressed by many of the contributions to the conference. But there is an even broader interpretation of the motto: wide adoption of Topic Maps in academia and industry. This is an equally important problem, and one that the TMRA conference series exists to help solve. And there is a more fanciful view on the motto. To "scale" can also mean to climb, so for the attendees the conference provided a way to "scale the mountain of Topic Maps." In all these ways TMRA 2007 helped to scale Topic Maps.
Accident Investigation Manual - Northwestern University (Evanston, Ill.). Traffic Institute 1948

Systems, Software and Services Process Improvement - Andreas Riel 2010-08-19
A typical characterization of EuroSPI is reflected in a statement made by a c- pany: ". . . the

1/7

biggest value of EuroSPI lies in its function as a European knowledge and experience exchange mechanism for SPI and innovation. " Since its beginning in 1994 in Dublin, the EuroSPI initiative has outlined that there is not a single silver bullet to solve SPI issues, but that you need to understand a c- bination of different SPI methods and approaches to achieve concrete benefits. The- fore each proceedings volume covers a variety of different topics, and at the conf- ence we discuss potential synergies and the combined use of such methods and - proaches. These proceedings contain selected research papers for five topics: Section I: SPI Tools Section II: SPI Methods Section III: SPI in SMEs Section IV: Economic Aspects of SPI Section V: The Future of SPI Section I presents studies on SPI tools. The authors provide an insight into new tools which can be used for SPI. Willem Bekkers et al. present a new assessment method and tool for software product management. Ismael Edrei-Espinosa-Curiel et al. illustrate a graphical approach to support the teaching of SPI. Paul Clarke and coworkers deal with an analysis and a tool to help real adoption of standards like ISO 12207 and they focus on SPI implementation and practices. Esparanca Amengual et al. present a new team-based assessment method and tool.

Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients - Rita K. Jew 2021
Now even more comprehensive, this fourth edition of Extemporaneous Formulations provides the same evidence-based formulation in easy-to-follow 'recipes' for 312 formulations, 129 of which are new.

GAMP Good Practice Guide - 2005-01-01

Basic Bioreactor Design - Klaas van't Riet 1991-01-07
Based on a graduate course in biochemical engineering, provides the basic knowledge needed for the efficient design of bioreactors and the relevant principles and data for practical process engineering, with an emphasis on enzyme reactors and aerated reactors for microorganisms. Includes exercises,
Linguistic Linked Data - Philipp Cimiano 2020-01-13
This is the first monograph on the emerging area of linguistic linked data. Presenting a combination of background information on linguistic linked data and concrete implementation advice, it introduces and discusses the main benefits of applying linked data (LD) principles to the representation and publication of linguistic resources, arguing that LD does not look at a single resource in isolation but seeks to create a large network of resources that can be used together and uniformly, and so making more of the single resource. The book describes how the LD principles can be applied to modelling language resources. The first part provides the foundation for understanding the remainder of the book, introducing the data models, ontology and query languages used as the basis of the Semantic Web and LD and offering a more detailed overview of the Linguistic Linked Data Cloud. The second part of the book focuses on modelling language resources using LD principles, describing how to model lexical resources using Ontolex-lemon, the lexicon model for ontologies, and how to annotate and address elements of text represented in RDF. It also demonstrates how to model annotations, and how to capture the metadata of language resources. Further, it includes a chapter on representing linguistic categories. In the third part of the book, the authors describe how language resources can be transformed into LD and how links can be inferred and added to the data to increase connectivity and linking between different datasets. They also discuss using LD resources for natural language processing. The last part describes concrete applications of the technologies: representing and linking multilingual wordnets, applications in digital humanities and the discovery of language resources. Given its scope, the book is relevant for researchers and graduate students interested in topics at the crossroads of natural language processing / computational linguistics and the Semantic Web / linked data. It appeals to Semantic Web experts who are not proficient in applying the Semantic Web and LD principles to linguistic data, as well as to computational linguists who are used to working with lexical and linguistic resources wanting to learn about a new paradigm for modelling, publishing and exploiting linguistic resources.

Medical Device and Equipment Gmps -

The International Pharmacopoeia - World Health Organization 2006
The International Pharmacopoeia contains a collection of recommended methods for analysis and quality specifications for pharmaceutical substances, excipients and products. This new edition consolidates the texts of the five separate volumes of the third edition and includes new monographs for antiretroviral substances (didanosine, indinavir sulfate, nelfinavir mesilate, nevirapine, ritonavir, saquinovir, and saquinovir mesilate) adopted by the WHO Expert Committee on Specifications for Pharmaceutical Preparations in October 2004. It includes some additions and amendments to the general notices of the Pharmacopoeia, as well as some changes to its layout and format. Volume one contains monographs for pharmaceutical substances A to O and the General Notices; and volume two contains monographs for pharmaceutical substances P to Z, together with those for dosage forms and radiopharmaceutical preparations, the methods of analysis and reagents.
GAMP 5 - 2008

WHO Expert Committee on Specifications for Pharmaceutical Preparations - World Health Organization 2009
The Expert Committee on specifications for pharmaceutical preparations works towards clear, independent and practical standards and guidelines for the quality assurance of medicines. Standards are developed by the committee through worldwide consultation and an international consensus-building process.
Blow-fill-seal Technology - R. Oschmann 1999

Mobile Web and Intelligent Information Systems - Muhammad Younas 2017-08-04
This book constitutes the refereed proceedings of the 14th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2017, held in Prague, Czech Republic, in August 2017. The 23 full papers together with 4 short papers presented in this volume were carefully reviewed and selected from 77 submissions. The call for papers of the MobiWis 2017 included new and emerging areas such as:

mobile web systems, recommender systems, security and authentication, context-awareness, mobile web and advanced applications, cloud and IoT, mobility management, mobile and wireless networks, and mobile web practice and experience.
Introduction to Controlled Vocabularies - Patricia Harpring 2010-04-13
This detailed book is a "how-to" guide to building controlled vocabulary tools, cataloging and indexing cultural materials with terms and names from controlled vocabularies, and using vocabularies in search engines and databases to enhance discovery and retrieval online. Also covered are the following: What are controlled vocabularies and why are they useful? Which vocabularies exist for cataloging art and cultural objects? How should they be integrated in a cataloging system? How should they be used for indexing and for retrieval? How should an institution construct a local authority file? The links in a controlled vocabulary ensure that relationships are defined and maintained for both cataloging and retrieval, clarifying whether a rose window and a Catherine wheel are the same thing, or how pot-metal glass is related to the more general term stained glass. The book provides organizations and individuals with a practical tool for creating and implementing vocabularies as reference tools, sources of documentation, and powerful enhancements for online searching.
Lyophilization of Biopharmaceuticals - Henry R. Costantino 2004
Humans have been experimenting with lyophilization, or freeze-drying, as a method to preserve biological structures for over a thousand years. This comprehensive volume, intended for scientists in both academia and industry, covers a wide range of topics relevant to the formulation of peptide and protein drugs in the freeze-dried state.
GAMP Good Practice Guide - 2005

Divine Moments; Ordinary People Having Spiritually Transformative Experiences - Nancy Clark 2012-05
Nancy Clark's life was transformed forever by a near-death and a near-death-like experience that resulted in her passion to show us that humans can experience the reality of their true,

authentic self - the self that is rooted in the divine and brimming with love for all humanity. She has been researching spiritually transformative experiences for thirty years and now in this groundbreaking book, she has compiled diverse spiritually transformative experiences happening to ordinary people today. The experiences are varied and include near-death and near-death-like experiences, out-of-body experiences, after-death communications, spiritual awakenings, religious conversion experiences, meditative and prayerful experiences, and mystical experiences. Learn how these individuals awakened to a new understanding of their deepest assumptions about the eternal questions: Why am I here? Where am I going? What is the purpose of life? Learn how their inner wisdom can assist all of us in understanding that we are more than biological beings; we are spirits of consciousness that are gifted with a love born of our divine nature.

Validation of Product Shelf-Life (Revision 1) - Food Safety Authority of Ireland 2011

Containment in the Pharmaceutical Industry - James P. Wood 2020-03-26
Delivering an encompassing overview of the factors, varieties, and applications determining product containment, this concise reference provides authoritative information on containment processes. It reviews the historical context, definition, evolution, and application of containment technology, analyzes a variety of containment techniques in new

Reactor development program (civilian power program) - United States. Congress. Joint Committee on Atomic Energy 1965

Mobile Web and Intelligent Information Systems - Irfan Awan 2019-08-19
This book constitutes the refereed proceedings of the 16th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2019, held in Istanbul, Turkey, in August 2019. The 23 full papers presented together with 3 short papers were carefully reviewed and selected from 74 submissions. The papers of the MobiWIS 2019 deal with areas such as: mobile apps and services; web and mobile applications; security and privacy;

wireless networks and cloud computing; intelligent mobile applications; and mobile web and practical applications.

Hunter's Diseases of Occupations, Tenth Edition - Peter J Baxter 2010-10-29
Winner of the 2011 BMA book awards: medicine category In the five decades since its first publication, Hunter's Diseases of Occupations has remained the pre-eminent text on diseases caused by work, universally recognized as the most authoritative source of information in the field. It is an important guide for doctors in all disciplines who may encounter occupational diseases in their practice, covering topics as diverse as work and stress, asbsetos-related disease, working at high altitude and major chemical incidents, many of which are highly topical. The Tenth Edition of Hunter's Diseases of Occupations has been fully revised and updated, presenting all practitioners considering an occupational cause for a patient's condition with comprehensive coverage of work-related diseases as they present in modern and developing industralised societies. It draws on the wide-ranging and in-depth clinical knowledge and experience, and acadmic excellence, of top experts in the field.

Trends in Vital Food and Control Engineering - Ayman Amer Eissa 2012-04-05
This book is an example of a successful addition to the literature of bioengineering and processing control within the scientific world. The book is divided into twelve chapters covering: selected topics in food engineering, advances in food process engineering, food irradiation, food safety and quality, machine vision, control systems and economics processing. All chapters have been written by renowned professionals working in food engineering and related disciplines.

Pharmaceutical Water Systems - Theodore H. Meltzer 1996-01-01

ISPE Good Practice Guide - Ispe 2019-03-25

Further investigations into the nature of phrasal compounding - Carola Trips
This collection of papers on phrasal compounding is part of a bigger project whose aims are twofold: First, it seeks to broaden the typological perspective by providing data for as

many different languages as possible to gain a better understanding of the phenomenon itself. Second, based on these data which clearly show interaction between syntax and morphology it aims to discuss theoretical models which deal with this kind of interaction in different ways. Models like Generative Grammar, assume components of grammar and a clear-cut distinction between the lexicon (often including morphology) and grammar. Other models like construction grammar do not assume such components and are rather based on a lexicon including constructs. A comparison of these models on the basis of this phenomenon on the morphology-syntax interface makes it possible to assess their descriptive and explanatory power.

Mobile Web and Intelligent Information Systems - Jamal Bentahar 2021-08-16
This book constitutes the refereed proceedings of the 17th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2021, held as a virtual event, in August 2021. The 15 full papers presented in this book were carefully reviewed and selected from 40 submissions. The papers of MobiWIS 2021 deal focus on topics such as security and privacy; web and mobile applications; networking and communication; intelligent information systems; and IoT and ubiquitous computing.

Who Expert Committee on Specifications for Pharmaceutical Preparations - WHO Expert Committee on Specifications for Pharmaceutical Preparations. Meeting 2013
WHO's international guidelines, written and physical standards developed under the aegis of this Expert Committee for more than 60 years are designed to serve all Member States, international organizations, United Nations agencies, regional and interregional harmonization efforts, and underpin important initiatives, including the prequalification of medicines, the Roll Back Malaria Programme, Stop TB, essential medicines and medicines for children. The Forty-seventh WHO Expert Committee on Specifications for Pharmaceutical Preparations adopted 26 new monographs and general texts for inclusion in The International Pharmacopoeia,/I>. The specifications under development are internationally applicable test methodologies for anti-infective, antimalarial, antituberculosis, contraceptives and antiretroviral medicines, as well as medicines for children. In addition, the following four written standards were adopted in the area of quality assurance and are now available for implementation : * Release procedure for International Chemical Reference Substances (update); * WHO guideline on quality risk management (new) * WHO guideline on variations to a prequalified product (update) * Collaborative procedure between the WHO Prequalification of Medicines Programme and national medicines regulatory authorities in the assessment and accelerated national registration of WHO-prequalified pharmaceutical products (new).

Transdermal and Topical Drug Delivery Systems - Tapash K. Ghosh 1997-06-30
Advances in the pharmaceutical and cosmetic sciences have propelled the development of transdermal and topical therapeutic systems into a technologically revolutionary phase. This book offers an authoritative guide to the development of delivery systems. Discussions by research and industry experts include methods for clinical assessment, percutaneous permeation enhancers, and formulation approaches to topical drug delivery. It also addresses IND, ANDA, NDA, and PLA filings for transdermal products with the FDA. The book contains practical information, step-by-step guidance, numerous references, and a complete index to help readers quickly locate the information they need. Features

2021 IEEE European Technology and Engineering Management Summit (e TEMS) - IEEE Staff 2021-03-18
SMART CITIES THROUGH PROJECTS ACHIEVING QUALITY OF LIFE? At the heart of future cities, one must find a reflection of the diverse qualities, challenges and aspirations of its citizens The continuous improvement of quality of life can come through innovative projects and related efforts that support both human interests and digital transformation What form might this support take? We invite proposals for research papers, commentary papers, project case descriptions, visual displays exhibitions and other creative, critical insights to these issues We also encourage the presentation of doctoral workshop proposals in the early stage of your PhD research

Multidisciplinary Design Optimization Supported by Knowledge Based Engineering - Jaroslaw Sobieszczanski-Sobieski 2015-09-28 Multidisciplinary Design Optimization supported by Knowledge Based Engineering supports engineers confronting this daunting and new design paradigm. It describes methodology for conducting a system design in a systematic and rigorous manner that supports human creativity to optimize the design objective(s) subject to constraints and uncertainties. The material presented builds on decades of experience in Multidisciplinary Design Optimization (MDO) methods, progress in concurrent computing, and Knowledge Based Engineering (KBE) tools. Key features: Comprehensively covers MDO and is the only book to directly link this with KBE methods Provides a pathway through basic optimization methods to MDO methods Directly links design optimization methods to the massively concurrent computing technology Emphasizes real world engineering design practice in the application of optimization methods Multidisciplinary Design Optimization supported by Knowledge Based Engineering is a one-stop-shop guide to the state-of-the-art tools in the MDO and KBE disciplines for systems design engineers and managers. Graduate or post-graduate students can use it to support their design courses, and researchers or developers of computer-aided design methods will find it useful as a wide-ranging reference.
GAMP Good Practice Guide - ISPE 2002

The Selection and Use of Essential Medicines - WHO Expert Committee on the Selection and Use of Essential Medicines 2004 This report presents the recommendations of the WHO Expert Committee responsible for updating the WHO Model List of Essential Medicines. The first part contains a progress report on the new procedures for updating the Model List and the development of the WHO Essential Medicines Library. It continues with a section on changes made in revising the Model List followed by a review of some sections such as hypertensive medicines and fast track procedures for deleting items. Annexes include the 13th version of the Model List and items on the list sorted according to their 5-level Anatomical Therapeutic Chemical classification codes.

International Pharmaceutical Registration - Alan A. Chalmers 2000-06-01 The increasing globalization of pharmaceutical markets and continuing consolidation within the pharmaceutical industry have highlighted the challenges of rapidly evolving regulatory requirements and created a much greater appreciation of the need for regulatory awareness throughout the industry. This book provides a practical overview and guide to the complexities of international pharmaceutical registration. With individual country chapters written by experts within that country drawn from regulatory authorities, international pharmaceutical companies, and regulatory consultants, the book comprehensively covers regulations across the globe.

WHO Expert Committee on Specifications for Pharmaceutical Preparations - World Health Organization 2018-05-17 The Expert Committee on Specifications for Pharmaceutical Preparations works towards clear, independent and practical standards and guidelines for the quality assurance of medicines. Standards are developed by the Committee through worldwide consultation and an international consensus-building process. The following new guidelines were adopted and recommended for use: - WHO guidelines on good herbal processing practices for herbal medicines; - Guidelines on good manufacturing practices for the manufacture of herbal medicines; - Considerations for requesting analysis of medicine samples; - WHO model certificate of analysis; - WHO guidance on testing of "suspect" falsified medicines; - Good pharmacopoeial practices - Chapter on monographs for compounded preparations; - Good pharmacopoeial practices - Chapter on monographs on herbal medicines; - Guidelines on heating, ventilation and air-conditioning systems for non-sterile pharmaceutical products; - Guidance on good practices for desk assessment of compliance with good manufacturing practices, good laboratory practices and good clinical practices for medical products regulatory decisions; - Stability testing of active pharmaceutical ingredients and finished pharmaceutical products; and - Collaborative procedure in the assessment and

accelerated national registration of pharmaceutical products and vaccines approved by stringent regulatory authorities.

Trust in Transactions - Prasanta Ray 2019

Acronyms and Abbreviations - British Library. Bibliographic Services Division 1979