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PLATE: Product Lifetimes And The Environment
Advances in Materials and Pavement Prediction
The Internet of Things in the Modern Business Environment

Analysis of Large and Complex Data
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3D Printing, Intellectual Property and Innovation
Structural Reliability Analysis and Prediction

The Stability and Shelf Life of Food

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Dynamic Substructures, Volume 4

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Design, User Experience, and Usability: Design
Thinking and Methods
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Electronic Components
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IGI Global
The ubiquity
of modern
technologies
has allowed
for increased
connectivity

between
people and
devices across
the globe. This
connected
infrastructure
of networks
creates
numerous
opportunities
for
applications
and uses. As
the
applications of
the internet of
things
continue to
progress so do
the security
concerns for
this
technology.
The study of

threat
prevention in
the internet of
things is
necessary as
security
breaches in
this field can
ruin industries
and lives.
Securing the
Internet of
Things:
Concepts,
Methodologies
, Tools, and
Applications is
a vital
reference
source that
examines
recent
developments
and emerging

trends in security and privacy for the internet of things through new models, practical solutions, and technological advancements related to security. Highlighting a range of topics such as cloud security, threat detection, and open source software, this multi-volume book is ideally designed for engineers, IT consultants, ICT procurement managers, network system integrators, infrastructure

service providers, researchers, academics, and professionals interested in current research on security practices pertaining to the internet of things. *From Observations to Predictions and Projections: Opportunities and Challenges for Climate Risk Assessment and Management in Sub-Saharan Africa* Frontiers Media SA The three-volume set

LNCS 9746, 9747, and 9748 constitutes the proceedings of the 5th International Conference on Design, User Experience, and Usability, DUXU 2016, held as part of the 18th International Conference on Human-Computer Interaction, HCI 2016, in Toronto, Canada, in July 2016, jointly with 13 other thematically similar conferences. The total of 1287 papers presented at

the HCII 2016 conferences were carefully reviewed and selected from 4354 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in

knowledge and effective use of computers in a variety of application areas. The total of 157 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. The 49 papers included in this volume are organized in topical sections on design thinking; user experience design methods and tools; usability and user experience

evaluation methods and tools. Selected Papers from IEEE ICASI 2019 CRC Press Product lifetimes are critical for the circular economy, resource efficiency, waste reduction and low carbon strategies for sustainability, and are therefore of interest to academics from many different disciplines as well as original equipment manufacturers (OEMs) and

other stakeholders. The challenges related to product lifetimes must be tackled from multiple perspectives, making the sharing of knowledge and expertise from different disciplines particularly important. This book presents papers from the second Product Lifetime and the Environment (PLATE) conference, held in Delft, the Netherlands, in November 2017. The conference originated from the desire to bring together academic researchers working in the field of sustainability to benefit from each other's knowledge and further advance the field. The book includes the 88 full papers delivered at the conference, grouped according to the following 7 conference themes: design for product longevity; product lifetime optimization; cultural perspectives on the throwaway society; circular economy and product lifetimes; business opportunities, economic implications and marketing strategies; consumer influences on product lifetimes; and policy, regulation and legislation. The book will be of interest to all those concerned with sustainable consumption, circular

economy and resource efficiency. *PLATE: Product Lifetimes And The Environment* Springer Nature ICT technologies have contributed to the advances in wireless systems, which provide seamless connectivity for worldwide communication. The growth of interconnected devices and the need to store, manage, and process the data from them has led

to increased research on the intersection of the internet of things and cloud computing. *The Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization* is a pivotal reference source that provides the latest research findings and solutions for the design and augmentation of wireless systems and cloud computing. The content

within this publication examines data mining, machine learning, and software engineering, and is designed for IT specialists, software engineers, researchers, academicians, industry professionals, and students. **Advances in Materials and Pavement Prediction** SAE International This book is designed to assist industrial engineers and production managers in

developing procedural and methodological engineering tools to meet industrial standards and mitigate engineering and production challenges. It offers practitioners expert guidance on how to implement adequate statistical process control (SPC), which takes account of the capability to ensure a stable process and then regulate if variations take place due

to variables other than a random variation. Powerful engineering models of new product introduction (NPI), continuous improvement (CI), and the eight disciplines (8D) model of problem solving techniques are explained. The final three chapters introduce new methodological models in operations research (OR) and their applications in engineering, including the hyper-hybrid

coordination for process effectiveness and production efficiency, and the Kraljic-Tesfay portfolio matrix of industrial buying. *The Internet of Things in the Modern Business Environment* Routledge The 3-volume set CCIS 1422, CCIS 1423 and CCIS 1424 constitutes the refereed proceedings of the 7th International Conference on Artificial Intelligence and Security, ICAIS 2021,

which was held in Dublin, Ireland, in July 2021. The total of 131 full papers and 52 short papers presented in this 3-volume proceedings was carefully reviewed and selected from 1013 submissions. The papers were organized in topical sections as follows: Part I: artificial intelligence; Part II: artificial intelligence; big data; cloud computing and security; Part III: cloud computing and security; encryption and cybersecurity; information hiding; IoT security. Analysis of Large and Complex Data Elsevier New Aspects of Meat Quality, Second Edition continues to be the leading source of scientific information for what constitutes meat quality for consumers, marketers and producers in the 21st century. The book includes traditional measures of meat quality such as texture, water holding, color, flavor/aroma, safety/microbiology and processing characteristics as well as quality assurance schemes, organic/free range, ethical meat production, and the desirability of genetically modified organisms, amongst others. Users will find comprehensive coverage on developments in our understanding

of how muscle structure affects the eating qualities of cooked meat, along with techniques for measuring, predicting and producing meat quality. In addition, the book covers how these new techniques help us minimize variability in eating quality and/or maximize value. The book's final section identifies the current qualities of consumer and public perceptions

and what is sustainable, ethical, desirable and healthy in meat production and consumption. - Provides the latest research techniques and developments presented by top researchers in the field - Covers new aspects of meat quality with the same scientific authority as texts on traditional meat quality value - Includes five new chapters that cover the

role of proteolysis, meat flavor, meat bi-products, and meat and public health
Offsite Production and Manufacturing for Innovative Construction
 Springer
 Nature
 New products are the major driver of revenue growth in today's dynamic business environment. In this Handbook, the world's foremost experts on new product development bring together

the latest thinking on this vitally important topic. These thought-leading authors organize knowledge into useful and insightful frameworks covering all aspects of new product development: companies, collaborators, customers, context, markets, and performance. Managers will benefit from the handbook by expanding their knowledge of new product development and

researchers will learn about opportunities to continue expanding on this body of knowledge. 3D Printing, Intellectual Property and Innovation Academic Press Theoretical and practical interests in additive manufacturing (3D printing) are growing rapidly. Engineers and engineering companies now use 3D printing to make prototypes of products before going for full

production. In an educational setting faculty, researchers, and students leverage 3D printing to enhance project-related products. Additive Manufacturing Handbook focuses on product design for the defense industry, which affects virtually every other industry. Thus, the handbook provides a wide range of benefits to all segments of business, industry, and government. Manufacturing

has undergone a major advancement and technology shift in recent years.

Structural Reliability Analysis and Prediction

Springer

The ability to successfully predict industrial product performance during service life provides benefits for producers and users. This book addresses methods to improve product quality, reliability, and durability

during the product life cycle, along with methods to avoid costs that can negatively impact profitability plans. The methods presented can be applied to reducing risk in the research and design processes and integration with manufacturing methods to successfully predict product performance. This approach incorporates components that are based on simulations in the

laboratory. The results are combined with in-field testing to determine degradation parameters. These approaches result in improvements to product quality, performance, safety, profitability, and customer satisfaction. Among the methods of analyses included are:

- Accelerated Reliability Testing (ART)
- Accelerated Durability Testing (ADT)
- system variability / input

variability •
engineering
risk versus
time and
expense
The Stability
and Shelf Life
of Food SAE
International
This book
constitutes
the refereed
proceedings of
the 12th IFIP
WG 5.1
International
Conference on
Product
Lifecycle
Management,
PLM 2015,
held in Doha,
Qatar, in
October 2015.
The 79 revised
full papers
were carefully
reviewed and
selected from
130
submissions.
The papers

are organized
in the
following
topical
sections:
smart
products,
assessment
approaches,
PLM maturity,
building
information
modeling
(BIM),
languages and
ontologies,
product
service
systems,
future factory,
knowledge
creation and
management,
simulation and
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environments,
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the 4th
International
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Cloud
Computing
and Security,
ICCCS 2018,

held in Haikou, China, in June 2018. The 386 full papers of these six volumes were carefully reviewed and selected from 1743 submissions. The papers cover ideas and achievements in the theory and practice of all areas of inventive systems which includes control, artificial intelligence, automation systems, computing systems, electrical and informative systems. The

six volumes are arranged according to the subject areas as follows: cloud computing, cloud security, encryption, information hiding, IoT security, multimedia forensics.

Dynamic Substructure s, Volume 4

IGI Global
This book constitutes the refereed proceedings of the 24th International Conference on Applications of Natural Language to Information Systems, NLDB 2019, held in

Salford, UK, in June 2019.

The 21 full papers and 16 short papers were carefully reviewed and selected from 75

submissions.

The papers are organized in the following topical sections:

argumentation mining and applications; deep learning, neural languages and NLP; social media and web analytics; question answering; corpus analysis; semantic web, open linked data, and

ontologies; natural language in conceptual modeling; natural language and ubiquitous computing; and big data and business intelligence. Securing the Internet of Things: Concepts, Methodologies, Tools, and Applications Trans Tech Publications Ltd Servitization and Physical Asset Management, third edition, was developed to provide a structured source of guidance and reference information on the business opportunities linked to servitization and the management of physical assets. A growing trend in the global economy, servitization focuses on the actual deliverables of an asset from the perspective of the customer: electricity instead of the power plant, thrust instead of the engine, mobility instead of a plane or a car. The book offers high-level overviews of how to servitized and manage assets from a variety of perspectives, reviewing nearly 1,500 books, magazine articles, papers and presentations and websites. Written by Michael J. Provost, Ph.D., and a subject matter expert in modeling, simulation, analysis and condition monitoring, Servitization and Physical Asset Management, third edition, is an

invaluable reference to those considering providing asset management services for the products they design and manufacture. It is also meant to support middle management wishing to know what needs to be done to look after the assets they are responsible for and who to approach for help, and academics doing research in this field.

Michael Provost, is a British engineer with a doctoral degree in thermal power from Cranfield University. *Proceedings of the 2024 5th International Conference on Education, Knowledge and Information Management (ICEKIM 2024)* MDPI
This edited volume brings together academics from both innovation and marketing fields to explore the additional value for companies

that can be generated with the innovations in marketing and the marketing of innovations. If ideas need to reach the marketplace, then marketing strategies, concepts and tools - such as the continuous development of new product and services - become vital for their success. On the other hand, marketing management is influenced by innovation as illustrated by the way

social media and Internet have revolutionized the traditional marketing-mix. Such linkages between innovation and marketing research need to be much stronger as companies have to convince internal and external stakeholders to achieve successful innovation strategies. State-of-the-art research output from different perspectives would suit the needs of a researcher as well as the company CEO alike. *Servitization and Physical Asset Management* CRC Press Dynamics of Coupled Structures, Volume 4: Proceedings of the 37th IMAC, A Conference and Exposition on Structural Dynamics, 2019, the fourth volume of eight from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of the Dynamics of Coupled Structures, including papers on: Methods for Dynamic Substructures Applications for Dynamic Substructures Interfaces & Substructuring Frequency Based Substructuring Transfer Path Analysis [Atlas of Knowledge](#) MIT Press This seven-volume set LNCS 14054-14060

constitutes the proceedings of the 25th International Conference, HCI International 2023, in Copenhagen, Denmark, in July 2023. For the HCCII 2023 proceedings, a total of 1578 papers and 396 posters was carefully reviewed and selected from 7472 submissions. Additionally, 267 papers and 133 posters are included in the volumes of the proceedings published after the conference, as “Late Breaking Work”. These papers were organized in the following topical sections: HCI Design and User Experience; Cognitive Engineering and Augmented Cognition; Cultural Issues in Design; Technologies for the Aging Population; Accessibility and Design for All; Designing for Health and Wellbeing; Information Design, Visualization, Decision-making and Collaboration; Social Media, Creative Industries and Cultural Digital Experiences; Digital Human Modeling, Ergonomics and Safety; HCI in Automated Vehicles and Intelligent Transportation ; Sustainable Green Smart Cities and Smart Industry; eXtended Reality Interactions; Gaming and Gamification Experiences; Interacting with Artificial Intelligence; Security,

Privacy, Trust and Ethics; Learning Technologies and Learning Experiences; eCommerce, Digital Marketing and eFinance. Predicting Trends and Building Strategies for Consumer Engagement in Retail Environments Springer Nature
The offsite and modular market is continuing to grow. This book builds on the success of a number of initiatives, including formative findings from

literature, research and development and practice-based evidence (success stories). It presents new thinking and direction from leading experts in the fields of: design, process, construction, engineering, manufacturing, logistics, robotics, delivery platforms, business and transformational strategies, change management, legislation, organisational learning, software

design, innovation and biomimetics. This book is particularly novel and timely, as it brings together a number of cogent subjects under one collective 'umbrella'. Each of these chapters contain original findings, all of which culminate in three 'Key Learning Points' which provide new insight into the cross-cutting themes, interrelationships and

symbiotic forces that exist between each of these chapters. This approach also provides readers with new contextualised understanding of the wider issues affecting the offsite market, from the need to embrace societal challenges, through to the development of rich value-laden solutions required for creating sector resilience. Content includes a balance between case

studies and practice-based work, through to technical topics, theoretical propositions, pioneering research and future offsite opportunities ready for exploitation. This work includes: stakeholder integration, skills acquisition, new business models and processes, circularity and sustainable business strategies, robotics and automation, innovation and change, lean production

methodologies and new construction methods, Design for Manufacturing and Assembly, scaled portfolio platforms and customisability, new legal regulatory standards and conformance issues and offsite feasibility scenario development/integration. *Design, User Experience, and Usability: Design Thinking and Methods* Frontiers Media SA Bankruptcy prediction is one of the

most important research areas in corporate finance. Bankruptcies are an indispensable element of the functioning of the market economy, and at the same time generate significant losses for stakeholders. Hence, this book was established to collect the results of research on the latest trends in predicting the bankruptcy of enterprises. It suggests models developed for

different countries using both traditional and more advanced methods. Problems connected with predicting bankruptcy during periods of prosperity and recession, the selection of appropriate explanatory variables, as well as the dynamization of models are presented. The reliability of financial data and the validity of the audit are also referenced. Thus, I hope that this book will inspire

you to undertake new research in the field of forecasting the risk of bankruptcy.

AI Techniques for Reliability Prediction for Electronic Components
Frontiers
Media SA
25th European Symposium on Computer-Aided Process Engineering contains the papers presented at the 12th Process Systems Engineering (PSE) and 25th European Society of

<p>Computer Aided Process Engineering (ESCAPE) Joint Event held in Copenhagen, Denmark, 31 May - 4 June 2015. The purpose of these series is to bring together the international community of researchers and engineers who are interested in computing-based methods in process engineering. This conference highlights the contributions of the PSE/CAPE community towards the</p>	<p>sustainability of modern society. Contributors from academia and industry establish the core products of PSE/CAPE, define the new and changing scope of our results, and future challenges. Plenary and keynote lectures discuss real-world challenges (globalization, energy, environment, and health) and contribute to discussions on the widening scope of</p>	<p>PSE/CAPE versus the consolidation of the core topics of PSE/CAPE. - Highlights how the Process Systems Engineering/C computer-Aided Process Engineering community contributes to the sustainability of modern society - Presents findings and discussions from both the 12th Process Systems Engineering (PSE) and 25th European Society of Computer-Aided Process Engineering</p>
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(ESCAPE) Events - Establishes the core products of Process Systems	Engineering/C omputer Aided Process Engineering - Defines the future challenges of	the Process Systems Engineering/C omputer Aided Process Engineering community
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