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**Writing Built Environment Dissertations and Projects**  
Sep 06 2023 Writing Built Environment Dissertations and  
Projects will help you to write a good dissertation or  
project by giving you a good understanding of what  
should be included, and showing you how to use data  
collection and analysis tools in the course of your  
research. Addresses prominent weaknesses in under-  
graduate dissertations including weak data collection;  
superficial analysis and poor reliability and validity  
Includes many more in-depth examples making it easy to  
understand and assimilate the concepts presented Issues  
around study skills and ethics are embedded throughout  
the book and the many examples encourage you to

consider the concepts of reliability and validity Second edition includes a new chapter on laboratory based research projects Supporting website with sample statistical calculations and additional examples from a wider range of built environment subjects

**The Solo Librarian** Oct 07 2023 Becoming a solo librarian may be a daunting prospect. From collections to cataloguing, classifying to copyright, whether the individual is a solo librarian, within a small team with limited help, or working in a larger library or information hub, the range of tasks involved will remain the same. Whilst being a solo librarian does have its fair share of challenges that can include juggling multiple tasks and time management, marketing and embracing the ever-changing technologies and upcoming social media channels, and effectively managing the feeling of being isolated, there are also many advantages. With the author having been through the education process and gained work experience, information professionals will have already picked up many transferrable skills and identified some key aspects when it comes to accessing, using, and running a library. By being intellectually curious, embracing ever-changing technologies, enjoying learning and knowledge creation, and working alongside non-library colleagues, it is likely that information professionals are organised, can manage their time effectively, enjoy helping others by sharing and promoting library and information services, and will stay

engaged as a team of one. As a solo librarian herself and a book not being available on the topic, she has decided to write one – which covers the lessons learnt, and templates created in order to assist others) that find themselves in a similar role &/or a small team with limited help. This Internationally applicable and practical handbook will follow a yearly planner and shows a timeline of key activities that happen throughout, in this instance, an academic year and include the following examples:

Acquisitions, cataloguing, updating library guidance (before academic year start - September) Student and Staff Inductions (September/October) Quarterly Business Review to review updates and library usage (Oct – Dec) Library cover over student/staff holiday period (Dec) Quarterly Business Review (Jan – Mar) Quality standard(s) re-accreditation (April) Research methods/study skills webinars (April) Library cover over student holiday period (April) Quarterly Business Review (April –June) Copyright Audit (May) Copyright Academic Rollover (June) Quarterly Business Review (July –Sept) Yearly e-Library review (July) Financial Review (July) Student Survey Results (July) Library cover over student holiday period (August/September)

Appendices will include a condensed version of ‘Lucy the Librarian top tips for successful solo librarianship’ (Note: Chapter 4 of the publication will expand on key elements and provide contextual examples) as well as providing templates and guidance notes that will be made available

to download and used to aid those working in information, knowledge, libraries and related disciplines, whether based within the UK or around the world. The idea behind this practical handbook, therefore, is to provide guidance and templates to cover: Understanding the roles and responsibilities of a solo librarian  
Identifying library user needs, Benchmarking, Forming a clear structure – for Physical and Online Libraries, Acquisitions and financial management, Classification and cataloguing, Archives and records management, Copyright (incl. Referencing and Plagiarism), Intellectual Property, and Licensing, Communications and promotion, Where to access further Information, Advice, and Guidance, and more.

**Rock Engineering** Oct 27 2022 With a focus on risk and uncertainty, 'Rock engineering' explains the geological principles and concepts required for successful geotechnical design and engineering of underground excavations.

*Engineering of Glacial Deposits* Sep 25 2022 At some time 30% of the world's land mass was covered by glaciers leaving substantial deposits of glacial soils under major conurbations in Europe, North and South America, New Zealand, Europe and Russia. For instance, 60% of the UK has been affected, leaving significant glacial deposits under major conurbations where two thirds of the population live. Glacial soils are composite soils with significant variations in composition and properties and

are recognised as challenging soils to deal with.

Understanding the environment in which they were formed and how this affects their behaviour are critical because they do not always conform to classic theories of soil mechanics. This book is aimed at designers and contractors working in the construction and extractive industries to help them mitigate construction hazards on, with or in glacial deposits. These soils increase risks to critical infrastructure which, in the UK includes the majority of the road and rail network, coastal defences such as the fastest eroding coastline in Europe and most of the water supply reservoirs. It brings together many years of experience of research into the behaviour of glacial deposits drawing upon published and unpublished case studies from industry. It draws on recent developments in understanding of the geological processes and the impact they have upon the engineering properties, construction processes and performance of geotechnical structures. Unlike other books on glaciation it brings together all the relevant disciplines in earth sciences and engineering to make it directly relevant to the construction industry.

### **Nano-Engineered Cementitious Composites Nov 15**

2021 This book focuses on civil engineering materials and nanotechnology. Highlighting recent advances in the field of nano-engineered cementitious composites, it discusses their key principles, design and fabrication, testing and characterization, performance and mechanisms, as well as

applications. Future developments and remaining challenges are also outlined. Nano-engineered cementitious composites are exceptionally strong, durable and offer multifunctional/smart performance that differs considerably from that of normal cementitious composites. Providing valuable insights into these composites' future development, the book offers an essential source of information, inspiration, theory and practical guidance for developing sustainable cementitious composites. As such, it will benefit researchers, scientists and engineers in the fields of civil engineering materials and nanotechnology alike.

### **Renewable Energy - Volume 1: Solar, Wind, and**

**Hydropower** Aug 13 2021 Renewable Energy - Volume 1: Solar, Wind, and Hydropower: Definitions, Developments, Applications, Case Studies, and Modelling and Simulation is a comprehensive resource for those wanting an authoritative volume on the significant aspects of these rapidly growing renewable technologies. Providing a structured approach to the emerging technologies and advances in the implementation of solar, wind and hydro energy, the book offers the most requested and desirable practical elements for the renewable industry. Sections cover definitions, applications, modeling and analysis through case study and example. This coordinated approach allows for standalone, accessible, and functioning chapters dedicated to a particular energy source, giving researchers and

engineers an important and unique consolidated source of information on all aspects of these state-of-the-art fields. Includes in-depth and up-to-date explanations for the latest developments in Solar, Wind and Hydropower Presents a uniquely, thematically arranged book with structured content that is easily accessible and usable Provides extensively illustrated and supported content, including multimedia components like short videos and slideshows for greater examples and case studies

*Ltr 57(7): Library It Management in Times of Crisis* Feb 04 2021 Crisis and disaster can strike at any time. During times of crisis IT departments become even more vital parts of the organization by allowing libraries to recover and respond to unique challenges. At such times technology concerns, as well as leveraging technology to ameliorate the effects of a crisis, should be a major focus for libraries. This report will describe different crisis effects, ways in which technology can assist in responding to them, and issues for library technology managers to be aware of.

### **Informatics, Networking and Intelligent Computing**

Jun 22 2022 This proceedings volume contains selected papers presented at the 2014 International Conference on Informatics, Networking and Intelligent Computing, held in Shenzhen, China. Contributions cover the latest developments and advances in the field of Informatics, Networking and Intelligent Computing.

**Specification for Tunnelling** Apr 08 2021 The third



edition includes major changes in the section on sprayed concrete plus added sections on new techniques such as sprayed applied waterproof membranes and jacked box tunnelling. The book has been updated to reflect the latest standards and best practice.

*Géotechnique* Nov 27 2022

*Glass Waste* Apr 13 2024 The three volumes from part of the Proceedings of the two-day International Conference organised by the Concrete and Masonry Research Group within the School of Engineering at Kingston University, held in September 2004. The Conference deals with issues such as the regulatory framework, government policy, waste management, processing, recovery, the supply network, recycling opportunities, sustainable ways forward and the economics of sustainability.

**Greater Cairo Wastewater Project** Mar 12 2024 The GBP1.2 billion Cairo Wastewater Project was designed to remove water from one of the world's largest and fastest growing cities and treat it to a standard permitting re-use for agriculture. This issue of ICE Proceedings contains nine refereed papers that cover various aspects of the planning, design, construction and management of the project.

Becoming a Digital Library Aug 25 2022 This excellent reference traces the construction and maintenance of the digital collections and services that have been available day in and day out to users worldwide for more than a decade. It examines applicable guidelines for any library

looking to build and manage systems, conduct and evaluate projects, and scout new directions for mainstreami

## **Adjudication Under the Scheme for Construction**

**Contracts Jun 15 2024** This is a guide to the effects of the Housing Grants, Construction and Regeneration Act 1996, and the Scheme for Construction Contracts which is a regulation produced under the Act. It explains the actions required by the scheme stage by stage.

The Tyne Bridge Mar 20 2022 The Tyne Bridge, opened in 1928 by King George V, is one of Britain's most iconic structures, a Grade II\* listed building. Linking Newcastle and Gateshead, this symbol of Tyneside and the region is also a monument to the Tyne's industrial past. Paul Brown's popular history explores what the bridge means to the people of North-East England, and its deep connection with their heritage. Brown recounts the story of the bridge's predecessors, from the Roman Pons Aelius—the first crossing over the Tyne—to the Victorian era. He then brings to life the individuals who built the modern bridge: Ralph Freeman, the structural engineer who also designed the Sydney Harbour Bridge; Dorothy Buchanan, the first female member of the Institution of Civil Engineers, who produced drawings and calculations; John Carr, the boatman who bravely rescued workers from the Tyne on dozens of occasions; and the scaffolder Nathaniel Collins, the only man not to survive construction of the arch, who fell from the bridge just

weeks before its completion. This richly illustrated book charts the Tyne Bridge's story right to the present, exploring how it remains a North-Eastern cultural emblem, in a region that has changed almost unrecognisably since its heyday in the late 1920s.

Radioactive Waste Management Jun 03 2023

Specification for Tunnelling May 10 2021 The third edition includes major changes in the section on sprayed concrete plus added sections on new techniques such as sprayed applied waterproof membranes and jacked box tunnelling. The book has been updated to reflect the latest standards and best practice.

**Tracing Your Lancashire Ancestors** Jul 04 2023 If you want to find out about Lancashires history, and particularly if you have family links to the area and your ancestors lived or worked in the county, then this is the ideal book for you. As well as helping you to trace when and where your ancestors were born, married and died, it gives you an insight into the world they knew and a chance to explore their lives at work and at home. Sue Wilkess accessible and informative handbook outlines Lancashires history and describes the origins of its major industries - cotton, coal, transport, engineering, shipbuilding and others. She looks at the stories of important Lancashire families such as the Stanleys, Peels and Egertons, and famous entrepreneurs such as Richard Arkwright, in order to illustrate aspects of Lancashire life and to show how the many sources available for family

and local history research can be used. Relevant documents, specialist archives and libraries, background reading and other sources are recommended throughout this practical book. Also included is a directory of Lancashire archives, libraries and academic repositories, as well as databases of family history societies, useful genealogy websites, and places to visit which bring Lancshires past to life. Sue Wilkess book is the essential companion for anyone who wants to discover their Lancashire roots.

Geopolymer Concrete Structures with Steel and FRP Reinforcements Feb 28 2023 Geopolymer Concrete Structures with Steel and FRP Reinforcements: Analysis and Design focuses on structural behavior, including the aspects of compression, bending strength and combined action of GPC members, with the book's content based on published studies over the last two decades. Geopolymer concrete (GPC) structural members reinforced with FRP reinforcement have some advantages in resisting forces compared to conventional concrete or steel tubular members. Among the most important are the high strength and bending stiffness, fire and impact performance and favorable, construction ability and durability. To this end, there are no significant applications of these new structural elements worldwide, partly due to the lack of the understanding of their behavior and insufficient design provisions in different design manuals. This book, therefore, seeks to highlight their characteristics and

future potential. Provides comprehensive, up-to-date advances on Geopolymer Concrete (GPC) reinforced with steel and FRP bars and stirrups construction with a summary of over 100 papers published in the last decade Compares the behavior and failure modes between Geopolymer Concrete (GPC) structures and Ordinary Portland Concrete (OPC) structures Explains important concepts such as bond, confinement, fracture of stirrups and buckling of FRP bars Includes an in-depth analysis of ultimate strength of GPC and OPC, considering governing failure modes Presents design examples following international standards, including North America ACI 440.1R-15, Canadian CAN/CSA S806, and Australian such as AS 3600

Intelligent Systems and Networks Sep 13 2021

*Library + Information Update* Aug 05 2023

**Managing Information** Apr 20 2022

**NEC3** May 22 2022

**Fluid Mechanics, Hydraulics, Hydrology and Water Resources for Civil Engineers** Apr 01 2023

One of the core areas of study in civil engineering concerns water that encompasses fluid mechanics, hydraulics and hydrology. Fluid mechanics provide the mathematical and scientific basis for hydraulics and hydrology that also have added empirical and practical contents. The knowledge contained in these three subjects is necessary for the optimal and equitable management of this precious resource that is not always available when and where it is

needed, sometimes with conflicting demands. The objective of Fluid Mechanics, Hydraulics, Hydrology and Water Resources for Civil Engineers is to assimilate these core study areas into a single source of knowledge. The contents highlight the theory and applications supplemented with worked examples and also include comprehensive references for follow-up studies. The primary readership is civil engineering students who would normally go through these core subject areas sequentially spread over the duration of their studies. It is also a reference for practicing civil engineers in the water sector to refresh and update their skills.

**Radioactive Waste Management** Dec 17 2021

**Brilliant Employability Skills** Jan 30 2023 What makes you stand out in the market for that great graduate job? In the competitive market for graduate jobs, securing a good degree no longer sets you apart from other candidates – this book will provide you with the tools and techniques to allow you to gain and communicate the range of employability skills and behaviours that will make you stand out from the crowd and get the job that you want. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you will receive via

email the code and instructions on how to access this product. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Cholera Dec 29 2022 Discover the story of the disease that devastated the Victorian population, and brought about major changes in sanitation. Drawing on the latest scientific research and a wealth of archival material, Amanda Thomas uses first-hand accounts, blending personal stories with an overview of the history of the disease and its devastating after-effects on British society. This fascinating history of a catastrophic disease uncovers forgotten stories from each of the major cholera outbreaks in 1831-3, 1848-9, 1853-4 and 1866. Amanda Thomas reveals that Victorian theories about the disease were often closer to the truth than we might assume, among them the belief that cholera was spread by miasma, or foul air.

### **Proceedings of the TMIC 2022 Slope Stability**

**Conference (TMIC 2022)** Feb 16 2022 This is an open access book. TVSeminars is an online platform for virtual interactive presentations in the mining and geotechnical field. With audiences from over 58 countries around the world, TVSeminars aims to provide access to high quality seminars for all professionals.

### Application of Waste Materials in Lightweight

Aggregates Jul 12 2021 Application of Waste Materials in Lightweight Aggregates presents the current state of

knowledge on aggregates production methods, their characteristics, current standards and legal regulations. In addition, the book briefly discusses the issue of the presence of different types of waste in the environment (including municipal, agricultural, energy and mining industries), their characteristics and uses for the production of lightweight aggregates. This book serves as a source of academic information on the course and conditions of using various waste treatment processes for academics, engineers, professionals and students interested in environmental engineering, as well as for companies dealing with recycling and disposal of waste.

### **Tunnelling in the Urban Environment** Dec 09 2023

With urban tunnel construction growing worldwide, the ability to accurately predict the ground and structural response to tunnelling and the associated risks is now more important than ever before. Engineers are expected to consider all aspects of tunnel engineering in order to safeguard existing infrastructure.

*ICE Manual of Structural Design* Jan 10 2024 Part of the ICE manuals series, this is the essential reference for all structural engineers involved in the design of buildings and other structures.

**Using the Engineering Literature** Oct 15 2021 With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we



might love being able to turn to Wikipedia for encyclopedia-like information or search Google for the thousands of links

**The New Digital Era** Jul 24 2022 The New Digital Era's two volumes highlight the new social and economic policies that are needed to balance the effects on social and economic life and prevent possible conflicts between individuals and societies in the wake of the COVID-19 pandemic and digitalisation.

**Proceedings of the Institution of Civil Engineers** May 02 2023

**Cycling** Nov 08 2023 This volume addresses key contemporary aspects in cycling policy, practice and research. Cycling has seen a sharp increase in scientific and policy attention in the past decade. The amount of research has surged over the past couple decades. Also, levels of cycling have increased substantially in many countries and cities, and many areas have seen increases in infrastructure investments. In addition, the last decade has seen innovations in bicycle technology, in particularly the rise of electric-assist (e-bikes) and dock-less bike sharing schemes. This volume reviews the state of the art on cycling from various angles. As such it explores planners' (engineers', policy makers') provisions for cycling, of cyclists' (and non-cyclists') travel behaviour, and resulting consequences for individuals and society. One focus is on demand-side aspects, including the use of bicycles and their users including patterns and trends in

cycling, determinants of cycling, and modelling of cycling. Another focus is on impacts of cycling, such as emissions, safety aspects, as well as changes during the COVID pandemic. Contemporary overview of key aspects in cycling research and bicycle planning A focus on design for cycling, behavior of cyclists and consequences of cycling

*Wormlike Micelles* Feb 11 2024 Wormlike Micelles describes the latest developments in the field including new systems, characterization and applications.

**Environmental Geotechnics** May 14 2024

Economics of Air Transportation Mar 08 2021

**Recent Research on Engineering Geology and Geological Engineering** Jun 10 2021 The ongoing population growth is resulting in rapid urbanization, new infrastructure development and increasing demand for the Earth's natural resources (e.g., water, oil/gas, minerals). This, together with the current climate change and increasing impact of natural hazards, imply that the engineering geology profession is called upon to respond to new challenges. It is recognized that these challenges are particularly relevant in the developing and newly industrialized regions. The idea beyond this Volume is to highlight the role of engineering geology and geological engineering in fostering sustainable use of the Earth's resources, smart urbanization and infrastructure protection from geohazards. We selected 19 contributions from across the globe (16 countries, five continents), which

cover a wide spectrum of applied interdisciplinary and multidisciplinary research, from geology to engineering. By illustrating a series of practical case studies, the Volume offers a rather unique opportunity to share the experiences of engineering geologists and geological engineers who tackle complex problems working in different environmental and social settings. The specific topics addressed by the papers included in the Volume are the following: pre-design site investigations; physical and mechanical properties of engineering soils; novel, affordable sensing technologies for long-term geotechnical monitoring of engineering structures; slope stability assessments and monitoring in active open-cast mines; control of environmental impacts and hazards posed by abandoned coal mines; assessment of and protection from geohazards (landslides, ground fracturing, coastal erosion); applications of geophysical surveying to investigate active faults and ground instability; numerical modeling of seabed deformations related to active faulting; deep geological repositories and waste disposal; aquifer assessment based on the integrated hydrogeological and geophysical investigation; use of remote sensing and GIS tools for the detection of environmental hazards and mapping of surface geology.

Expanding Underground - Knowledge and Passion to  
Make a Positive Impact on the World Jan 18 2022

Expanding Underground - Knowledge and Passion to  
Make a Positive Impact on the World contains the

contributions presented at the ITA-AITES World Tunnel Congress 2023 (Athens, Greece, 12 – 18 May, 2023). Tunnels and underground space are a predominant engineering practice that can provide sustainable, cost-efficient and environmentally friendly solutions to the ever-growing needs of modern societies. This underground expansion in more diverse and challenging infrastructure types or to novel underground uses can foster the changes needed. At the same time, the tunneling and underground space community needs to be better prepared and equipped with knowledge, tools and experience, to deal with the prevailing conditions, to successfully challenge and overcome adversities on this path. The papers in this book aim at contributing to the analysis of challenging conditions, the presentation and dissemination good practices, the introduction of new concepts, new tools and innovative elements that can help engineers and all stakeholders to reach their end goals. Expanding Underground - Knowledge and Passion to Make a Positive Impact on the World covers a wide range of aspects and topics related to the whole chain of the construction and operation of underground structures: Knowledge and Passion to Expand Underground for Sustainability and Resilience Geological, Geotechnical Site Investigation and Ground Characterization Planning and Designing of Tunnels and Underground Structures Mechanised Tunnelling and Microtunnelling Conventional Tunnelling, Drill-and-Blast Applications

Tunnelling in Challenging Conditions - Case Histories and Lessons Learned Innovation, Robotics and Automation BIM, Big Data and Machine Learning Applications in Tunnelling Safety, Risk and Operation of Underground Infrastructure, and Contractual Practices, Insurance and Project Management The book is a must-have reference for all professionals and stakeholders involved in tunneling and underground space development projects.

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