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New Book: A Practical Guide for Navigating  
Geomatics and Land Surveying Projects – The  
American Surveyor ([amerisurv.com](http://amerisurv.com))

# Project Design for Geomatics Engineers and Surveyors

Clement A. Ogaja  
Nashon J. Adero  
Derrick Koome

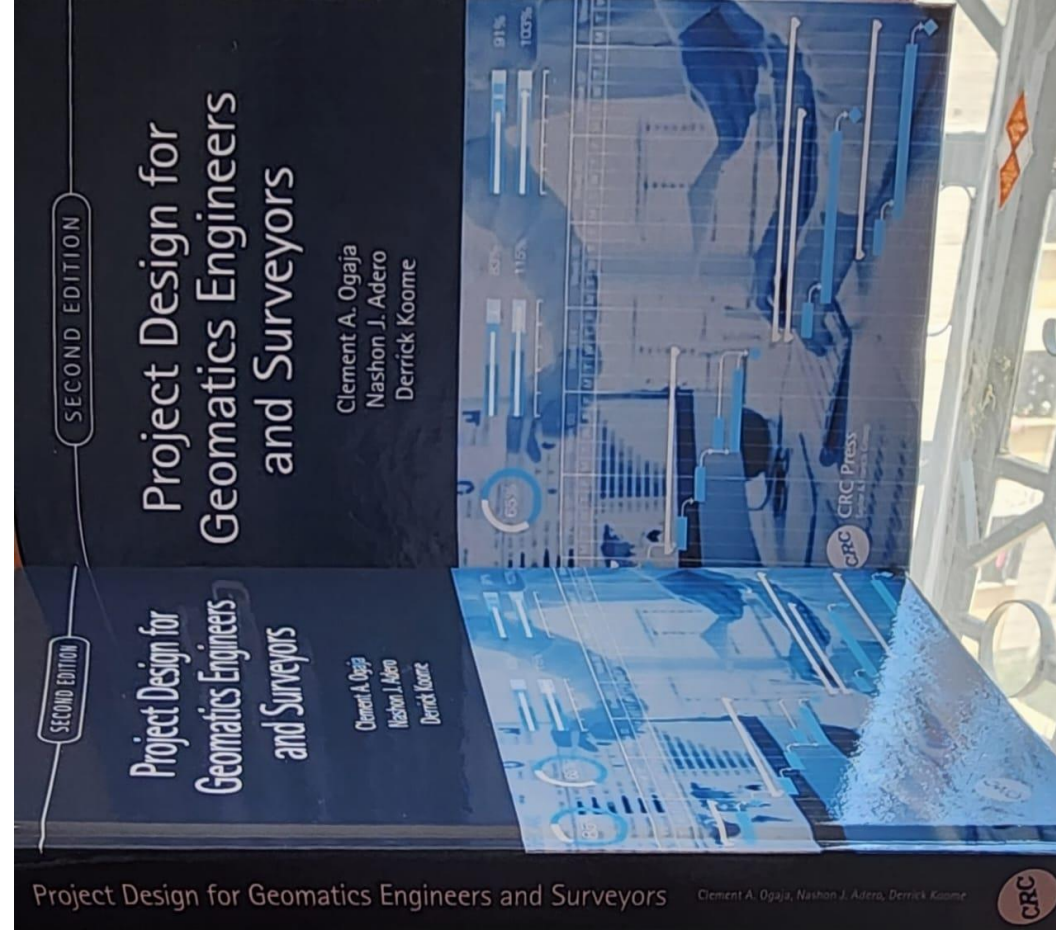


C R C P R E S S

T A Y L O R & F R A N C I S G R O U P

Project Design for Geomatics Engineers and Surveyors, 2nd edition (March 23, 2023)

# THE BOOKS NOW IN KENYA





Book dedication on  
16<sup>th</sup> April 2023







The vicinity of  
Taita Taveta  
University – ideal  
for topographic  
surveying lessons

# SUMMARY

The completed **geomatics book project** proves the great potential of virtual collaboration in the post-pandemic world. Despite not meeting physically, the authors have collaborated **virtually** through using *Zoom*, *Office 365*, *Google Drive*, and *email* to produce a book tailored for the modern world of work and surveying practice.

The book addresses the **unmet need** for books that promote local content drawing on homegrown experience, as informed by projects in the authors' home countries or regions of work assignment. There is also an urgent and compelling need for mentoring the youth in geomatics through collaborative book projects so that they can transition into professionals capable of researching, writing, and advancing knowledge and practice in geomatics and related disciplines.

The authors identified several key **gaps and missing links** that graduates need to be addressed urgently to help lower the barriers to entry into the world of work and practice.

The key issues include the low state of **preparedness of young graduates** for transitioning from academic knowledge to the dynamic and geodata-driven world of work and business. Again, there is a sub-optimal state of preparedness of graduates and practitioners with the **soft and transferrable skills** needed to prepare and present compelling geomatics project proposals that are responsive to contemporary policy, social, ethical, economic, and environmental issues.

This book serves as a reminder of the **power of virtual collaboration** in our post-pandemic world and the importance of addressing critical issues to support our youth's future. Let's continue to work together and support each other in achieving our goals.





## AMAZON FEATURES A NEW PRACTICE-ORIENTED BOOK



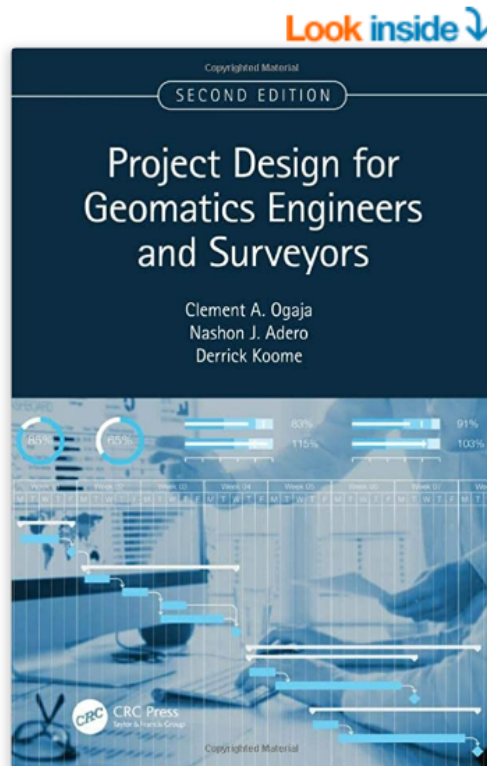
Nashon Adero

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Clement A. Ogaja

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### Project Design for Geomatics Engineers and Surveyors, Second Edition Hardcover – 23 Mar. 2023

by [Clement Ogaja](#) (Author), [Nashon Adero](#) (Author), [Derrick Koome](#) (Author)

[See all formats and editions](#)

Kindle Edition  
£80.75

[Read with Our Free App](#)

Hardcover  
**£85.00**

10 New from **£82.26**

*Project Design for Geomatics Engineers and Surveyors, Second Edition*, continues to focus on the key components and aspects of project design for geomatics and land surveying projects with the goal of helping readers navigate the priority issues when planning new projects. The second edition includes new materials on surveying and UAV, and it is thoroughly updated to keep current with the recent technology and terminology. The two new chapters capture new developments in the rapidly

✓ [Read more](#)

# THE AMERICAN SURVEYOR FEATURES THE NEW BOOK

[New Book: A Practical Guide for Navigating Geomatics and Land Surveying Projects – The American Surveyor \(amerisurv.com\)](#)

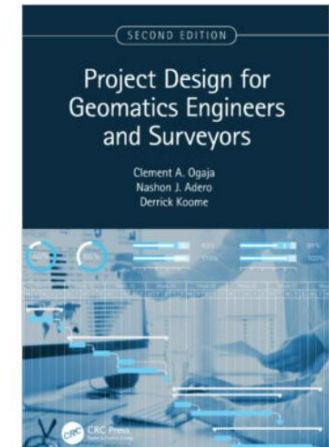


## New Book: A Practical Guide for Navigating Geomatics and Land Surveying Projects

TAYLOR & FRANCIS // 03.16.2023

A new book that offers insights into navigating the major issues in geomatics and land surveying project design will be released later this month.

*Project Design for Geomatics Engineers and Surveyors, Second Edition* has been written by geospatial engineering experts with the goal of helping readers navigate the priority issues when planning new projects. It has been created with a wide audience in mind – undergraduate and graduate students, professors, practicing professionals and surveyors will find it useful, as well as geospatial/geomatics engineers, civil engineers, mining engineers, GIS professionals, planners, land developers,



# GEOMATICS BOOK LAUNCH: MEET THE ALL-KENYAN AUTHORS


Clement Ogaja, Nashon Adero, Derrick Koome

A collaborative book project

Involved internationally exposed Kenyan surveyors engaged in years of **research**, consultancy, public service, industry practice, training, and teaching at university

## Geomatics Book Launch


Inviting geomatics engineers and surveyors



**Project Design for Geomatics Engineers and Surveyors, Second Edition**  
by  
**Clement Ogaja, Nashon Adero, Derrick Koome**

- Key message from authors: motivation and how to get the most out of the book
- How to get your copy
- Feedback from stakeholders

23 March 2023  
18:00 EAT

 Taita Taveta University (TTU)  
*Home of Ideas*  
*Degrees: 38.503 E, 3.418 S*

*Hybrid event*  
*Virtual on Zoom*



# KEY ISSUES AND KEY MESSAGE

The authors haven't met physically – confirming the great power of post-pandemic **virtual collaboration** (Zoom, Google Drive, e-mail)

We noticed the urgency to **address key gaps and missing links**, so as to help lower the barriers to entry into the world of work and practice

**Issue 1.** Low state of preparedness of young graduates for transitioning from academic knowledge to the **dynamic and geodata-driven world of work and business**

**Issue 2.** Sub-optimal state of preparedness of graduates and practitioners with the **soft and transferrable skills** needed to prepare and present compelling geomatics project proposals that are responsive to contemporary policy, social, ethical, economic and environmental issues.

**Issue 3.** Unmet need for books that promote **local content** drawing on homegrown experience, as informed by projects in the authors' home countries or regions of work assignment.

**Issue 4.** Urgent and compelling need for **mentoring the youth in geomatics** through collaborative book projects so that they can transition into professionals capable of researching, writing and **advancing knowledge and practice** in geomatics and related disciplines.

# TABLE OF CONTENTS



**Part I: Overview** - Chapter 1. Project Design Process



**Part II: Contemporary Issues** - Chapter 2. Standards and Specifications Chapter 3. Professional and Ethical Responsibilities  
Chapter 4. Policy, Social, and Environmental Issues



**Part III: Planning and Design** - Chapter 5. Boundary Surveys Chapter 6. Control Surveys Chapter 7. Topographic Surveys  
Chapter 8. GIS Application Chapter 9. Unmanned Aerial Systems Surveys/Mapping Chapter 10. Engineering and Mining  
Surveys



**Part IV: Proposal Development** - Chapter 11. Estimating Project Costs Chapter 12. Writing Geomatics Proposals



**Part V: Appendices**



## HOW TO GET A COPY

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If you are in Kenya, view authors' copy by contacting Nashon Adero on +254 724 021 383 or [nashon.adero@gmail.com](mailto:nashon.adero@gmail.com) and get new stocks directly as they arrive from London.

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Check out the **authors' flyer for discount offers** while they last from this download link:

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**Order online** and get it shipped to you (you pay for the shipping cost, too). **Link:** [Amazon](#)

# EARLY ADOPTERS/BUYERS OF THE BOOK - AUTOGRAPHED



Signing the book for Surveyor C. Kinyua, Nairobi

Tech evolves, but the core principles of surveying are timeless. Readers lead the way! The youth must read to lead!



# ERRATA FOR *PROJECT DESIGN FOR GEOMATICS ENGINEERS AND SURVEYORS, SECOND EDITION*

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This list only contains corrections to misprints that would be confusing if not corrected; simple

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misprints, such as transposed letters, words not italicised, etc., are not listed.

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Page	Section/Line Correction
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5	1.2.1.1 "National Geographic Survey (NGS)" should be "National Geodetic Survey (NGS)"
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32	Example 2: 3. $CEP = 1.8 \times 2.4$ should be $2DRMS = 1.8 \times 2.4$
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198	EXERCISES #3 "intersection angle is 600 for" should be "intersection angle is 60° for"
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245	B.2 "National Geographic Survey (NGS)" should be "National Geodetic Survey (NGS)"
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270	Second last line "Each UTM zone is 60° wide" should be "Each UTM zone is 6° wide"
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# PROMOTIONAL MATERIAL

1. *Mining Surveys and GIS Application: A Contemporary Introduction for Engineers and Geoscientists* with solutions to the exercises in **Chapter 10: Engineering and Mining Surveys**

Please evaluate the module after going through it from this link:

<https://forms.gle/16W9iKzUr7QWDciMA>

2. *The Future of Africa in the Post-COVID-19 World (April 2021). Book download link: [Downloads – IBD \(impactborderlessdigital.com\)](https://impactborderlessdigital.com/downloads)*



# FEEDBACK AND ACKNOWLEDGMENT

1. President – Young Surveyors: *Tech evolves, but the core principles of surveying are timeless. Readers lead the way! The youth must read to lead!*
2. Early adopters/buyers of the book
3. Kenya Chamber of Mines
4. IREN Kenya/Enactus – Students & Faculty
5. Esri Eastern Africa
6. The Institution of Surveyors of Kenya (ISK)
7. Taita Taveta University (TTU)

TECH EVOLVES!  
PRINCIPLES ARE  
TIMELESS.

THANKS IN ADVANCE  
FOR YOUR FEEDBACK  
TOWARDS THE 3RD  
EDITION

## Geospatial Technology: Past, Present and Future

