



DiaDeRC Team Member Leads Elsevier Book Project on *Energy Efficiency in Critical Times*

CALL FOR BOOK CHAPTERS

Energy Efficiency in Critical Times: Security, Economics, and Transition

A book edited by Dr Romanus Osabohien

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Background and Purpose

Ensuring the security and efficiency of energy in a turbulent World is essential and it requires a multi-faceted approach that involves diversifying energy sources, upgrading grid infrastructure, promoting energy efficiency, implementing demand response programs, and introducing energy storage solutions.

By taking these steps, energy markets can become more stable, reliable, and resilient, ensuring a steady supply of electricity for sustainable development. Thus, this is crucial because, the recent socioeconomic shocks such as the Russia-Ukraine war has had significant impacts on energy stability and energy efficiency in Europe and across countries of the world, as Russia is one of the largest suppliers of natural gas to the continent. Therefore, the need to optimize markets for energy stability and efficiency, becomes timely.

The proposed edited book examines the sustainable development goals (SDGs) actualisation problems occasioned by energy shocks such as the recent Russia-Ukraine and the COVID-19 pandemic. It explores the variety of scientific approaches with focus of improving energy efficiency and stability.

This book becomes essential now, given the dynamic of the energy market influenced by these shocks. It crucial because, diversifying energy sources means reducing dependence on a single energy supplier and promoting the use of different types of energy. For example, promoting the use of liquefied natural gas (LNG) from other sources such as the United States, Qatar, or Norway can reduce Europe's reliance on Russian gas. Moreover, promoting energy efficiency and conservation measures can reduce overall demand for energy and further reduce dependence on any single supplier. Chapters in this book provide mechanisms and policies towards the actualisation of energy stability and efficiency.

Target Audience

The proposed edited book will provide its audience with relevant evidence, and useful insight on energy efficiency and stability. The target audience among others include - academia/ academic researchers including lecturers and students (graduates and postgraduates) in various disciplines such as Economics, experts in the Energy Sector/ Ministry of Energy, policymakers.

The book will be useful for academic purposes both the undergraduate and postgraduate studies at their respective Institutions across Africa, Asia and Europe. The impact strategy is that the



community and national level policy workshops will be held with decision makers and all relevant stakeholders towards the implementation of the study recommendations.

Benefits to audience & key features

The audience interested in optimising markets for energy for stability and efficiency may have a variety of information needs and daily challenges, including market design, renewable energy integration, distributed energy resources, energy storage, price signals among others. This book will address those challenges, because chapters in the book will offer policy response as including how prices are set and how supply and demand are balanced, which are essential to optimising energy markets for stability and efficiency. Also, it will proffer ways to keeping up-to-date with the latest developments in energy markets, technology, and best practices that can help energy professionals make informed decisions and stay ahead of the curve.

Recommended topics include, but are not limited to, the following:

- I. Energy policy, Energy Security and Energy Efficiency**
 1. Energy policy for demand response and aggregation
 2. Energy transition -Economic approach
 3. Energy policy for economic support and development in lower-income countries
- II. Clean Energy and Sustainability**
 4. Energy policy impacts on innovation and carbon reduction, including case studies
 5. Energy policy for electric vehicle system development
 6. Optimizing energy policy for renewable energy systems
 7. Renewable energy and economic viability
- III. Socioeconomic shocks, Environment and Energy Security**
 8. Energy policy and energy security post-COVID and/or Ukraine
 9. Macroeconomic Analysis | Energy dependence and geopolitical conflicts
 10. Responsible management in the energy sector | Climate – energy crisis
- iv. Energy Trading and Marketing Mix**
 11. Energy metering model
 12. Cross-border energy trading

Submission Procedure

Researchers and practitioners are invited to submit on or before **May 31, 2024**, a chapter proposal of 5,000 to 6,500 words clearly explaining the mission and concerns of their proposed chapters with 5 to 10 keywords. Authors will be notified by **July 30, 2024** about the status of their chapters. Final drafts submitted by contributors, written via Elsa writing platform are expected to be submitted by **September 15, 2024**, and all interested authors must consult the guidelines for manuscript submissions.

Note: There are no submission or acceptance fees for manuscripts submitted to this book publication, *Energy Efficiency in Critical Times: Security, Economics, and Transition*. All



manuscripts are accepted based on a double-blind peer review editorial process. No author should submit more than one chapter. All proposals should be sent to the Editor at romanus.osabohien@diaderc.org and romik247@gmail.com and with the subject 'Energy with purpose'. Only authors with accepted proposal will be given permission to submit full chapters. Chapters should align with the recommend topics above.

Publisher

This book is scheduled to be published by Elsevier, an international academic publisher. The publication agreement has been made.

Important Dates

May 31, 2024: Proposal Submission Deadline

July 30, 2024: Notification of Acceptance/Rejection

September 15, 2024: Final revised version of the chapters

October 31, 2024: Full, final Manuscript to be submitted for production.

Editor

Dr Osabohien is a Postdoctoral Research Fellow at the Institute for Energy Policy and Research (IEPre), the National Energy University (UNITEN), Selangor, Malaysia; Lead publications, DePECOS Institutions and Development Research Centre (DiDerc), Nigeria. He obtained his MSc and PhD Degrees at the Department of Economics and Development Studies, Covenant University, Nigeria where he lectured for half a decade. He is a Consultant and Reviewer of the United Nations Environment Programme (UNEP) on Global Environment Outlook (GEO-7).

He has executed funded projects both individually and collaboratively. Such projects among others, include the Research Linkage Programme between Covenant University, Nigeria and Witten/Herdecke University, Germany, funded by the Alexander von Humboldt Foundation (AvH) [REF 3.4-1147508-NGA-IP] and the International Fund for Agricultural Development (IFAD) [REF: 2000001374] on "Enhancing Capacity to Apply Research Evidence (CARE) in Policy for Youth Engagement in Agribusiness and Rural Economic Activities in Africa" Project in the International Institute of Tropical Agriculture (IITA).

Dr Osabohien has co-edited two books, notably; i) [COVID-19 in the African Continent: Sustainable Development and Socioeconomic Shocks](#) (2022, Emerald Publishing [ISBN: 978-1801176873]); and ii) [Socioeconomic Shocks and Africa's Development Agenda: Lessons and Policy Directions in a Post-COVID-19 Era](#) (2023, Routledge/Taylor and Francis Group). He is an author, a reviewer and editorial board member for rated journals such as Elsevier (Heliyon) - Economics.

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