



*Special Issue Reprint*

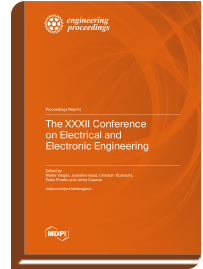
## **The XXXII Conference on Electrical and Electronic Engineering**

[www.mdpi.com/books/reprint/10757](http://www.mdpi.com/books/reprint/10757)

Edited by  
Walter Vargas  
Jackeline Abad  
Christian Tipantuña  
Pablo Proaño  
Jaime Cepeda

ISBN 978-3-7258-3519-5 (Hardback)

ISBN 978-3-7258-3520-1 (PDF)



The XXXII JIEE-2024 conference provided a space for collaboration between the academic community and the energy, telecommunications, and automation sectors, in which the EPN showcased the technological advances and challenges that the scientific community has addressed in a number of research and final degree projects related to telecommunications, electronics, information technologies, and electrical engineering. Among the main topics addressed during the conference were the following: i) control and systems; ii) smart grids; iii) the deployment of novel technologies for planning and operating power systems; iv) renewable energy; v) automation; vi) robotics; vii) power electronics; viii) control; ix) wireless technologies; x) mobile communications; xi) cybersecurity; and xii) machine learning. In addition, this was a space to share with the academic and industry community the novel studies that have been carried out worldwide on topics related to power systems, renewable energy, telecommunications, electronics, control, and information technology. With this aim, keynotes from international experts were organized as part of special tutorials held during the conference. This Reprint contains the scientific papers that were presented at XXXII JIEE-2024, which summarize the results of important research projects carried out at Escuela Politécnica Nacional, Quito, Ecuador, as well as at other universities and within industry



er systems, renewable energy, telecommunications, electronics, control and technology.

You can order print copies at

[www.mdpi.com/books/reprint/10757](http://www.mdpi.com/books/reprint/10757)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.