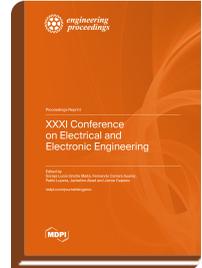# engineering proceedings

Special Issue Reprint

XXXI Conference on Electrical and Electronic Engineering

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The XXXI JIEE-2023 was a space for collaboration between the academic community and the energy, telecommunications, and automation sectors, where the EPN shows the technological advances and challenges that the community tackled in several research related to telecommunications, electronics, information technologies and electrical engineering. Among the main topics faced in the Conference were: i) smart grids, ii) modeling and simulation of power systems, iii) deployment of novel technologies for planning and operating power systems, iv) renewable energy and storage, v) automation, vi) robotics, vii) power electronics, viii) control, ix) wireless technologies, x) radio frequency, xi) radar applications, xii) mobile communications. In addition, this was a space to share with the academic and industry community, the novel researchers worldwide in topics related to power systems, telecommunications, control, and information technology. For this aim, special key notes from international experts were organized as part of special tutorials. This reprint contains the scientific papers presented in the XXXI JIEE-2023, which summarizes the results of important research projects performed at Escuela Politécnica Nacional, Quito - Ecuador as well as other universities and industries, related to power systems, telecommunications, electronics, control, and information technology.

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