

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid

Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Jarkovoi, Marek; Asad, Bilal; Shabbir, Noman Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill <https://doi.org/10.3176/proc.2021.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Conducted EMI emission evaluation considerations for test site and in-situ evaluation of DC microgrid supplied power converters

Kütt, Lauri; Daniel, Kamran; Sharma, Hetal; Parker, Martin; Chub, Andrii 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144729>

Current harmonic aggregation cases for contemporary loads

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Current harmonics sensitivity analysis

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Description of practical load harmonic current emission due to voltage harmonic variation

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Enhancing PV hosting capacity and mitigating congestion in distribution networks with deep learning based PV forecasting and battery management

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Hybrid Attention-Based LSTM and XGBoost Model for Short-Term Residential Load Forecasting

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Integrating Attention-Based LSTM with XGBoost for Improved Residential DC Load Forecasting

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Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence

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