

A possible title can be "Flexible Operation of an EV Parking Lot for Voltage Control in a Distribution Network"

Abstract: The speech focuses on an optimization model for the voltage control in a distribution network, which exploits the flexibility provided by parking lots equipped with several electric vehicle (EV) charging stations. The problem is solved according to a centralized approach by the definition of voltage control zones. To provide an ancillary service to the network, the EV aggregator of the charging stations in the parking lot can vary the intra-day scheduling inside the flexibility margins, calculated in advance by using a multistage stochastic optimization procedure so to guarantee the appropriate EV charging level.