A. Rezaee Jordehi, 2018, How to deal with uncertainties in electric power systems? A review, *Renewable and Sustainable Energy Reviews,* 96: 145–155.

Abstract In electric power systems, there exist many diverse uncertain parameters such as loads, electricity price, wind power generation and photovoltaic power generation. In power system studies, appropriate modeling and handling of these uncertain parameters is essential. In this paper, the sources of uncertainties in power systems are described and different uncertainty handling methods in power systems are classified and reviewed in details, mentioning the merits and demerits of each method. Based on the conducted review, some directions for future research are delineated.

Keywords Uncertainty; Uncertainty handling; Electric power systems; Probabilistic methods; Possibilistic methods;

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