

In May 2014 the Publishing House Lambert (Saarbrücken, Germany) published the monograph „*Optimisation and Polyoptimisation of Power System Stabilizer Parameters*” by S. Paszek and A. Nocoń. In the monograph there is analysed the possibility of improving the power system (PS) angular stability with use of power system stabilizers (PSSs) having the parameters selected in an optimal and polyoptimal way. There were investigated dual input PSS2A and PSS3B stabilizers. To asses the impact of PSSs, there were used angular stability factors based on the modal analysis of PS. The monograph contains the description of the models of PS generating unit elements used directly in simulation investigations. Moreover, there are presented the general theoretical fundamentals of the optimisation and polyoptimisation process. There are described the criteria assumed for parameter optimisation and polyoptimisation of PSSs operating in a single and multi machine PS. The monograph is intended for specialists in power engineering as well as students of faculties of electrical engineering interested in issues of PS transient states.

This monograph is available at: <https://www.morebooks.de/store/gb/book/optimisation-and-polyoptimisation-of-power-system-stabilizer-parametrns/isbn/978-3-659-53098-2>

