

P R E F A C E

We have inherited a very rich body of knowledge in cybernetics going back hundreds of years. Theories are numerous and tools are abundant. Ingenious adaptations of the tools are proliferating every day to real world problems. The present work is an experiment with the applications of the cybernetical tools in electrical power industry. Our endeavour deals with the iterations of observation - conjecture - experiment - theory - modelling - validation cycle .