In order to control automata P.J. Ramadge and W.M. Wonham developed the Supervisory Control Theory in the 1980. It is still used to control technical problems in different areas. During my stay in Prof. J.E.R. Cury's group in Florianópolis, we modeled a testbed of a manufacturing cell and desired specifications in different ways. After obtaining the corresponding supervisors, the results have been implemented on a PLC.

This talk gives an overview over the important results and our approach to modeling the technical problem.

The presentation should take around 30 minutes, but there is enough time for questions and discussions.

Thank you for your participation.