



Contribution ID: 6

Type: **not specified**

Overview of Model Predictive Control

Model Predictive control (MPC) is a modern control technique that has gained high acceptance in industry due to its capability of dealing with large multivariable processes where demanding specifications and constraints must be met in spite of disturbances and operation changes. The talk gives an introduction to the fundamentals of this control technology, covering from basic concepts and algorithms to implementation methodologies and tools. The content is illustrated with practical application examples, showing the current trends that link MPC to the field of optimal economic process operation.

Presenter: Prof. DE PRADA, Cesar (Universidad de Valladolid - Spain)