Introduction of Automation and Control Issues for Hot Rolling Mill Processes
Duk-Man Lee (POSCO)

This paper handles main automation facilities and important control issues for hot rolling mill processes. Starting from the general procedures of production cycle, detailed tension control applications are handled based on field experiences and published research papers. Nowadays, quality control and delivery time control for products is becoming more and more important as the client demand is tighter than any other period. In this respect, control technology in steel making process takes very important position. Therefore, the objective of this paper is to share control problems with the people in academic field and by doing so, to get new and striking solution for the problems.

The Control System Development of Crop Cutting in Hot Strip Mill.
Lee Sang-Ho, H.M. Bae
(POSCO)

A control system for crop cutting in Hot strip Mill is developed. The development system is composed of three sub-systems, one is crop shape system which captures the shapes of the strip's head and tail using the area CCD camera. Another is Laser Speed System which measures the speed and length of strip. and, the other is control system which controls the optimal cutting length and crop shear motor. As a result, with a developed system we can reduce crop loss considerably.