

## عنوان مقاله:

A dynamic nonlinear model for a real HRSG Boiler based on input-output data

## محل انتشار:

هفتمین کنفرانس بین المللی تجارت الکترونیک در کشورهای در حال توسعه با رویکرد بر امنیت ECDC2013 (سال: 1392)

تعداد صفحات اصل مقاله: 15

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## خلاصه مقاله:

In this study, a dynamic nonlinear model for a drum-HRSG boiler is presented. The applied data are obtained from a real combined cycle power plant 'Neka' located in the north of Iran. The system is divided into 2 MISO subsystems of 'HP' and 'LP' drum, and each subsystem is identified by a RBF network having NARX structure. Results indicate a successful model exploitable in model-based controller designs, a model for the use of operators to learn HRSG function and also as an acceptable predictor to follow up the drum-boiler behavior

## کلمات کلیدی:

Heat recovery steam engine, Identification, Neural Network, Radial basis function, HP drum, LP drum

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/203700>

