



First Name : Mostafa

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From : Sari , Mazandaran , Iran

Research Interest:

- **Electronic Circuit Design (Digital & Analog)**
- **Neural Networks**
- **Fuzzy**
- **Fault Detection and Identification**
- **System Identification**
- **AVR Microcontrollers**
- **Mechatronics**
- **C, C++, MATLAB, Basic.**

Thesis Title:

Gas turbine thermal condition monitoring using Soft Sensor and adaptive threshold

Abstract:

Gas turbine as the primary stimulus needs monitoring and surveillance systems with high functionality, i.e., thermal condition monitoring systems. In this project, based on evaluation of sensors which implemented on a gas turbine simulator, best sensor has been selected and then by means of real data and system identification techniques, a soft sensor is constructed. With thresholding on the residual between the soft sensor and the simulator can detect the fault occurrence.

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