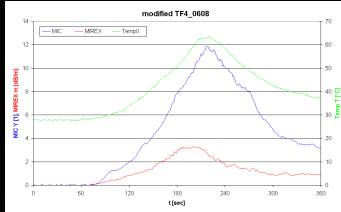


## Questions:

- What is a fire - what is a non-fire situation?

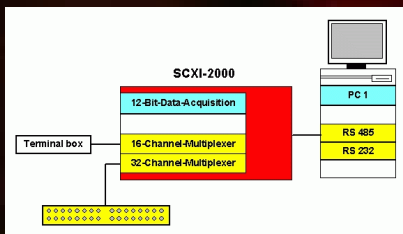


- Smoke and heat?
- Smoke and carbon monoxide?

- Is it possible for a fire detector to distinguish between smoke from a smoldering fire and smoke coming from a cigarette?
- How intelligent must a fire detector be?

## We focus on:

modern sensors, fuzzy logic and neural networks, intelligent signal processing, simulation techniques.



## We simulate:

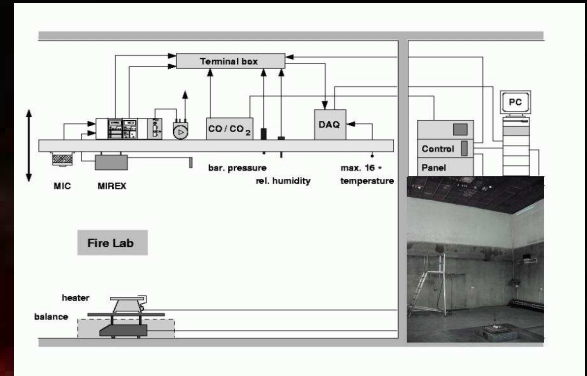
fires, fire sensors, sensor signals, spatial distribution of fire parameters.

## We give answers:

Department of Communication Systems



... and we offer a unique fire detection laboratory in Europe for testing.



## We measure:

CO-concentration, smoke density, temperature and particle size distribution during a fire ... and much more.



## We develop:

fast, intelligent and false alarm resistant smoke detectors, detection algorithms, test methods, individual problem solving.

