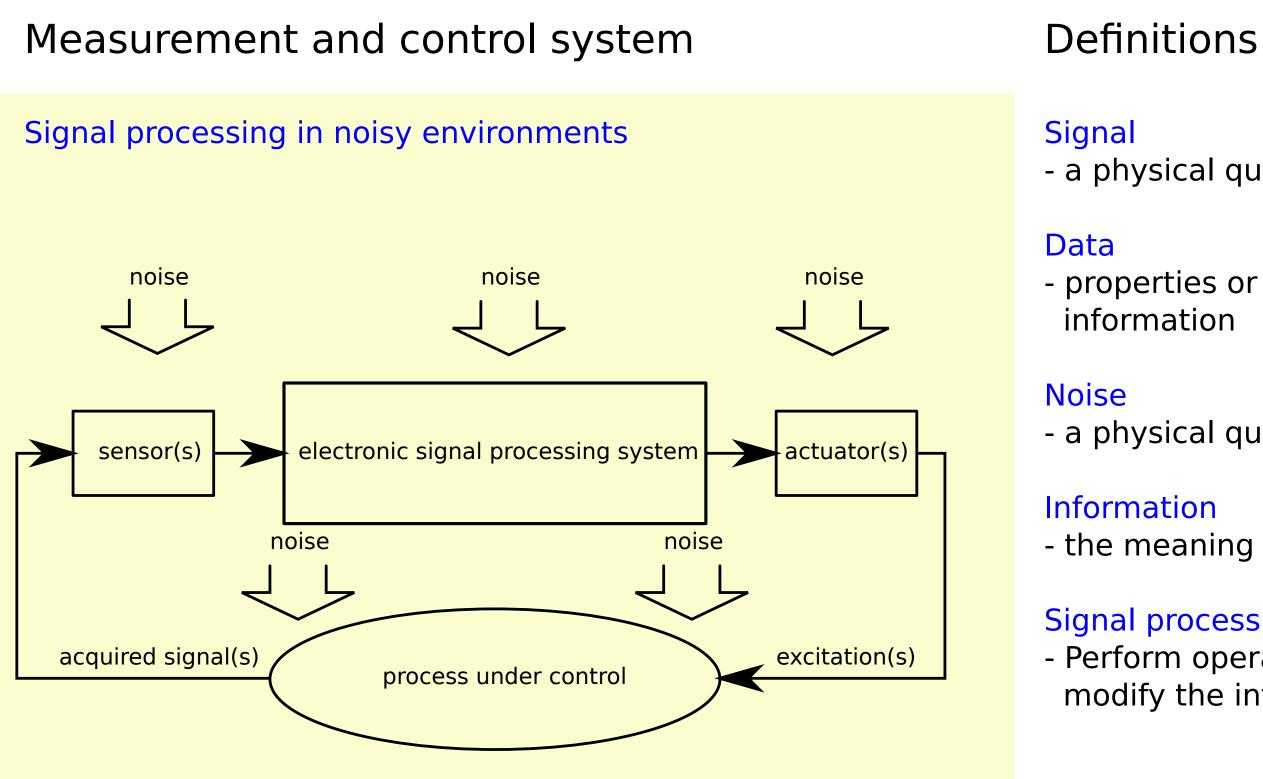
# **Structured Electronic Design**

# EE3C11 Information processing: definitions

Anton J.M. Montagne

# Architecture information processing system



- a physical quantity that contains meaningful data

- properties or details of a signal that represent the

- a physical quantity whose data is meaningless

# - the meaning of the data

### Signal processing

- Perform operations on a signal. Extract or modify the information contained in the signal.

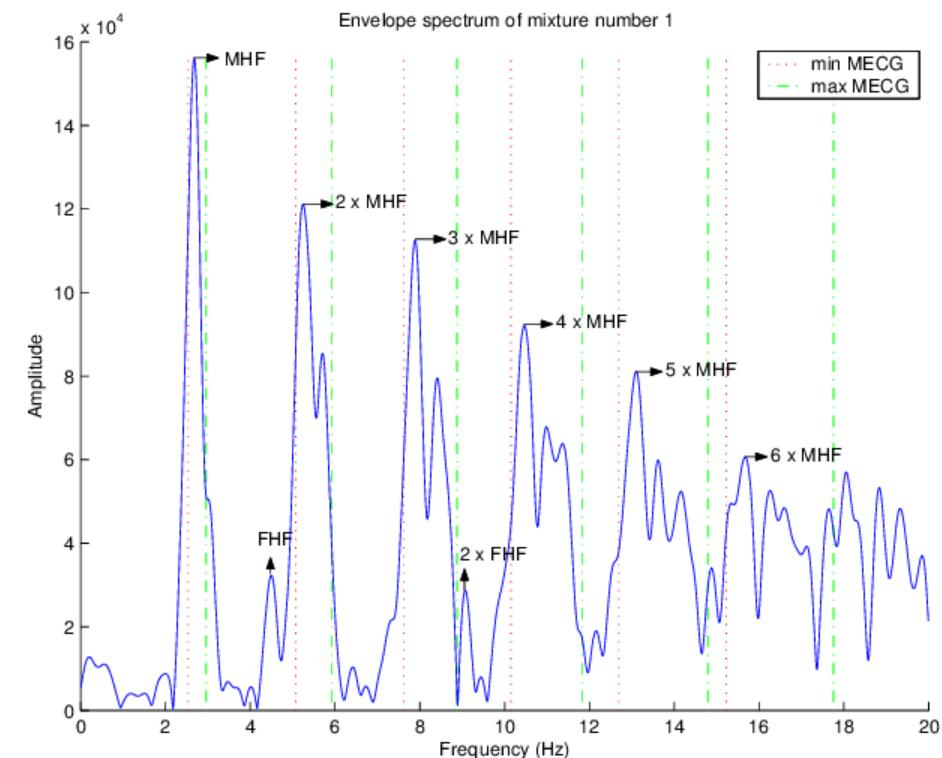
# Information and noise

## Mother's (MHF) and foetus' (FHF) heartbeat frequencies and their harmonics.

Source:

Michel Haritopoulos and Asoke K Nandi

Extraction of Foetal Contribution to ECG Recordings Using Cyclostationarity-Based Source Separation Method



https://www.researchgate.net/figure/Mothers-MHF-and-foetus-FHF-heartbeat-frequencies-and-their-harmonics-Theoretical fig2 220848121