EC2.103: Analog Electronic Circuits

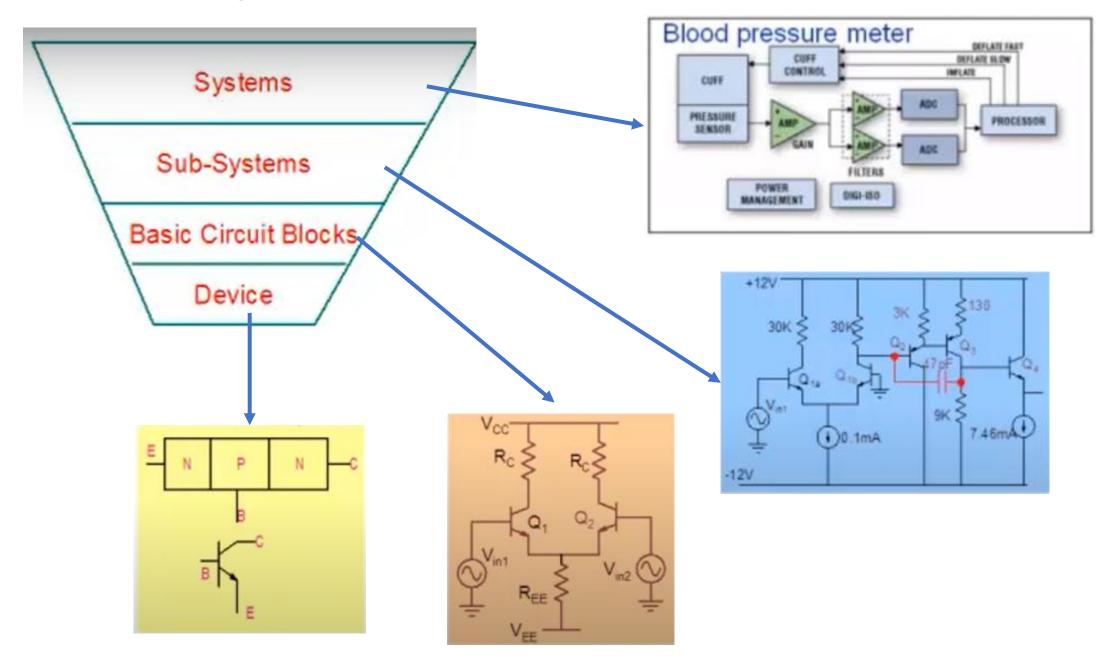
Dr. Zia Abbas

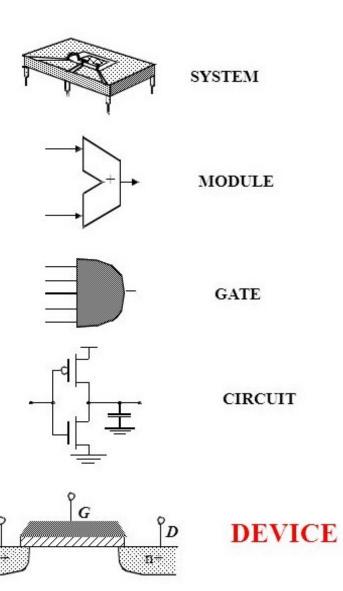
Centre for VLSI and Embedded System Technology (CVEST) IIIT Hyderabad

Books:

- Fundamentals of Microelectronics; Behzad Razavi
- Microelectronics Circuits; A. S. Sedra and K. C. Smith; Oxford University Press.
- Analysis and Design of Analog Integrated Circuits; P. R. Gray, P. J. Hurst, S. H. Lewis, and R. G. Meyer; John Wiley & Sons.
- CMOS Analog Circuit Design, P. E. Allen and D. R. Holberg, Oxford University Press.

Microelectronics Pyramid





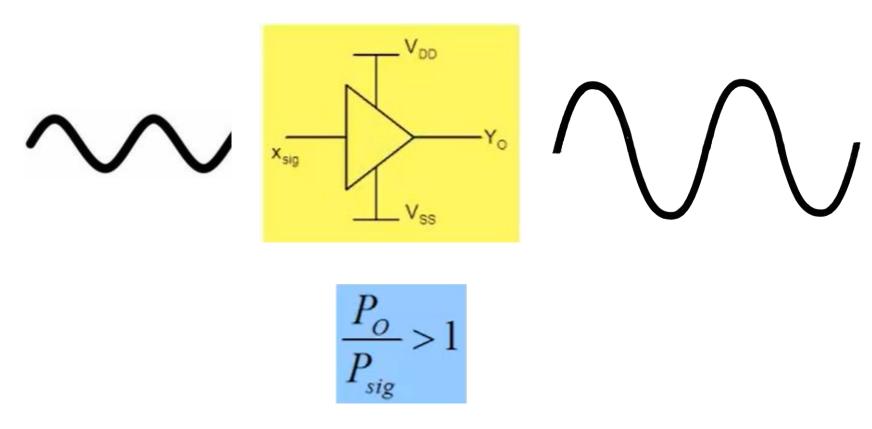
What is Microelectronics?

It is a field which deals with implementation of 'ideas' on a piece of semiconductor (e.g. Silicon)

Microelectronics is 'Writing in Sand'



EC2.103 is also about discussing Amplifier



Amplifiers are the heartbeat of Electronics

The foundation of civilization is "Amplification"

