

















## A trip through time -- IC (microchip)

- Accredited to Jack Kilby of Texas Instruments 1958.
- Robert Noyce made a similar circuit few months later



## Chapter 1 Signals and Amplifiers

1. Signals

- 2. Frequency Spectrum of Signals
- 3. Analog and Digital Signal
  - Amplifiers
- 5. Circuits Models for Amplifiers
- 6. Frequency Response of Amplifiers

## **Chapter 1 Objectives**

- Understanding electrical signals
- Thevenin and Norton representation of signal sources
- Analog and digital representation of signals
- Amplification and amplifiers
- How amplifiers are characterized
- Frequency response of amplifiers: how to measure it and calculate it.





























































