Unit 4. Single-ended and differential amplifiers

The outline of this unit is as follows:

- Single-ended amplifiers: common-source, common-gate, and common-drain configurations.
- Miller effect: definition and effects on amplifiers.
- Cascode amplifiers: how to increase output impedance and type of cascode-based configurations.
- Examples of single-ended amplifiers.
- Differential amplifiers: CMRR, ICMR, noise issues and structures.