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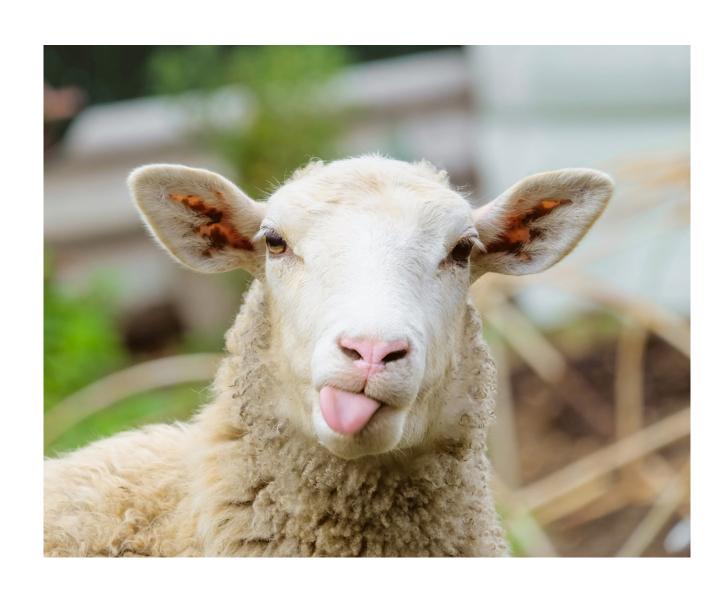
PhD, Associate Professor





- 1 Information Capacity (Shannon Formula)
- 2 Speed (switching between the states)
- 3 Universality

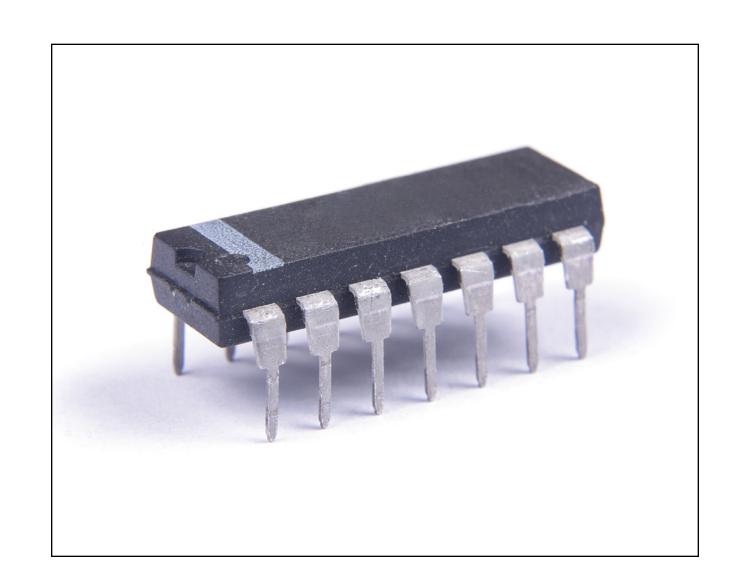




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#### Computer Generations



- 1 Vacuum Tubes
- 2 Transistors
- 3 Integrated Circuits
- 4 Microprocessors
- 5 ?



#### Week Plan

- Learning objectives
- Computation. Information
- Computational system characteristics
- The goal of computations. Universality. Algorithm
- Computational Complexity
- Quantum computing
- Quantum effects
- The Multiverse interpretation of quantum mechanics

