Part I The pn junction

- 1 Basic structure of the pn junction
- 2 Zero applied Bias
- 3 Reverse applied bias

Part II The pn junction diode

- 4 pn junction current
- ${\bf 5}$ $\,$ Generation-recombination currents and high-injection levels

The pn junction under forward and reverse bias ${\it Thorbjørn~Erik~Køppen~Christensen}$ ${\it June~18,~2018}$