

# Voltammetry

- Electrochemistry techniques based on current (i) measurement as function of voltage ( $E_{\text{appl}}$ )
- Working electrode
  - (microelectrode) place where redox occurs
  - surface area few  $\text{mm}^2$  to limit current flow
- Reference electrode
  - constant potential reference (SCE)
- Counter electrode
  - inert material (Hg, Pt)
  - plays no part in redox but completes circuit
- Supporting electrolyte
  - alkali metal salt does not react with electrodes but has conductivity

# Voltammetry Chapter 2 electrochemistry Techniques Based On

**Michael Brown**



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