

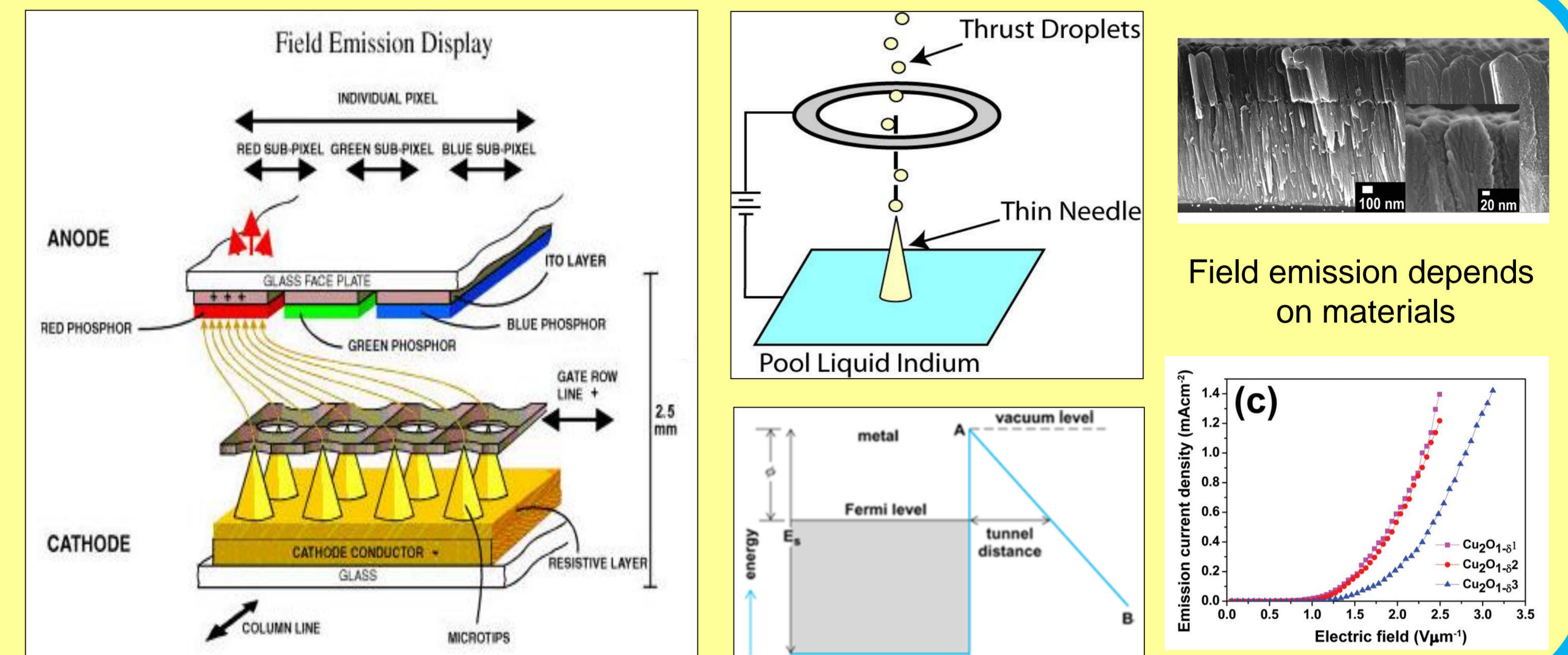
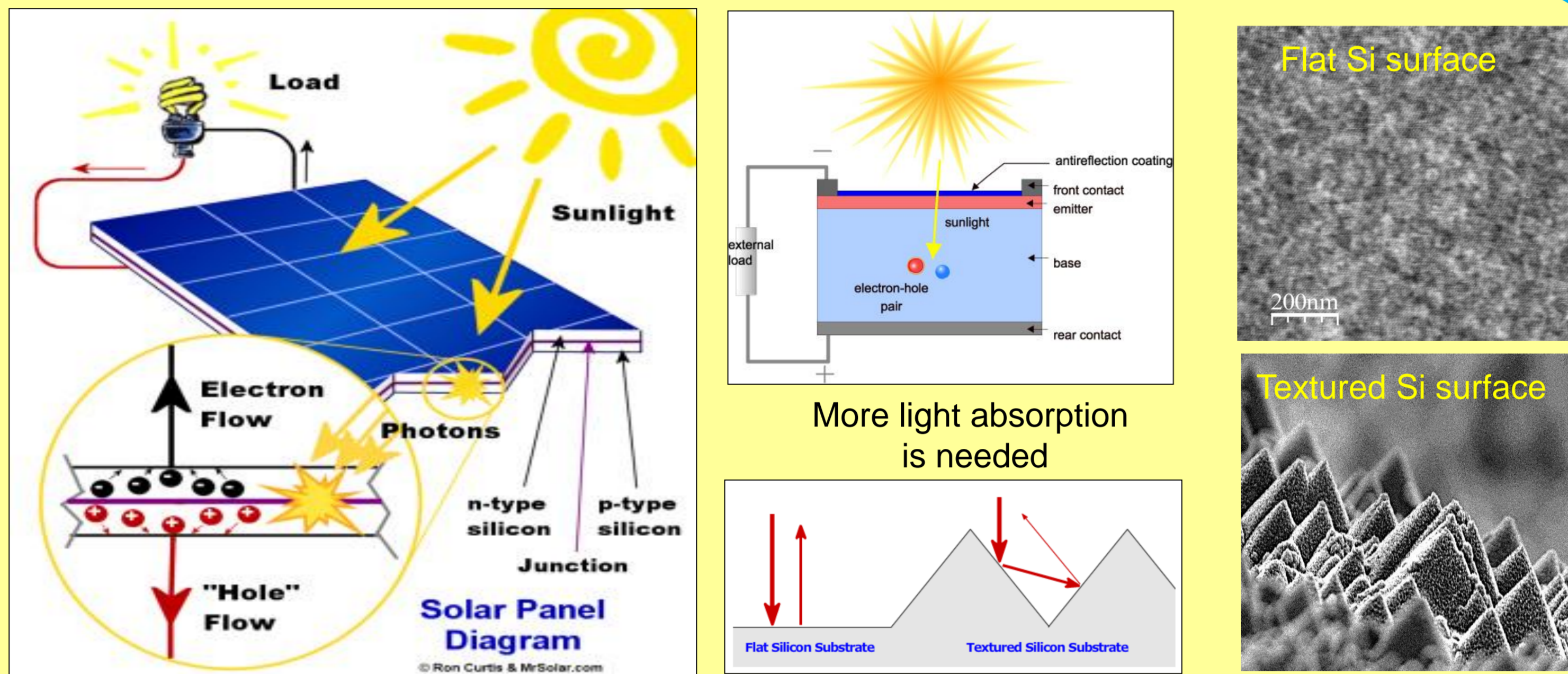


Thrust areas of research

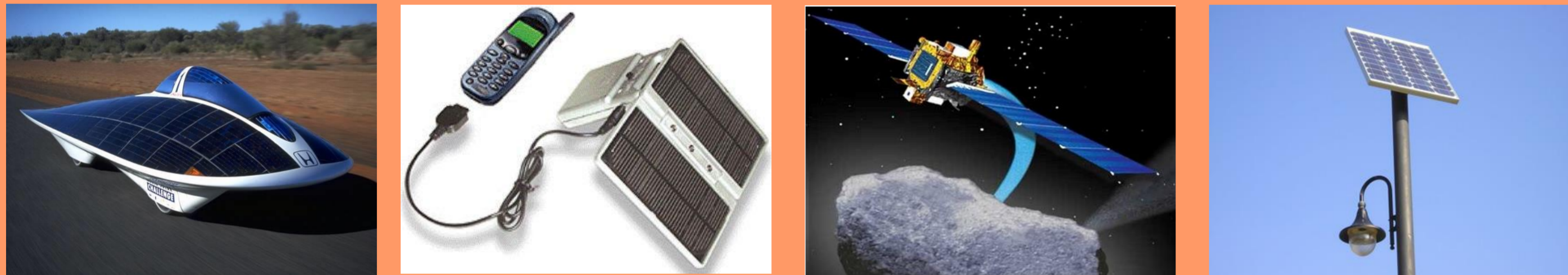
Energy research :
Thin film based solar cell

Physical properties of thin films:
Structural, electrical, magnetic,
vibrational, etc.

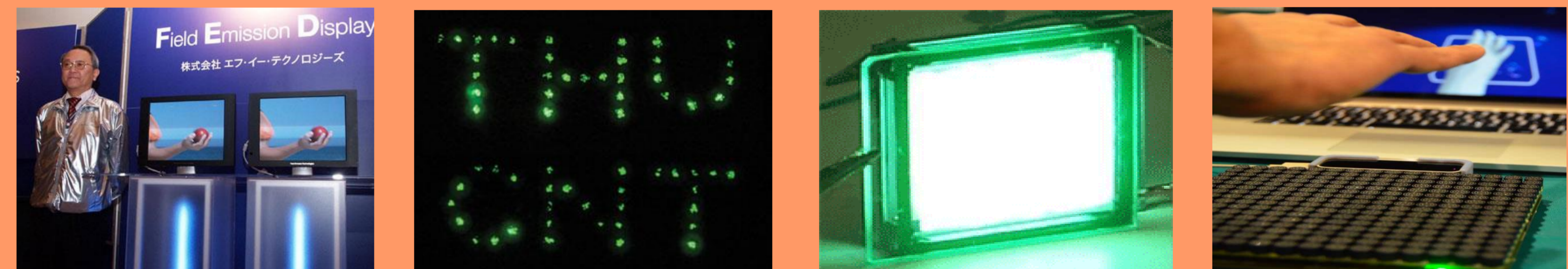
Applications of thin films



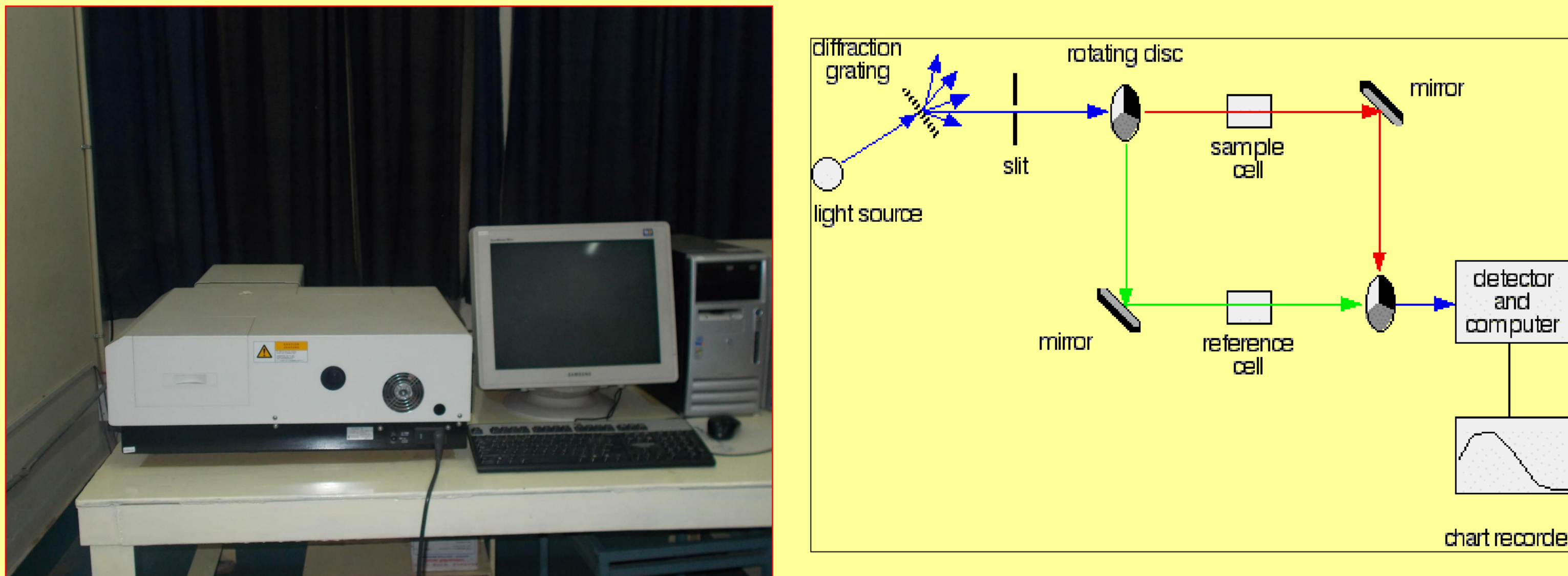
Use of solar cells in real life



Use of field emitters in real life

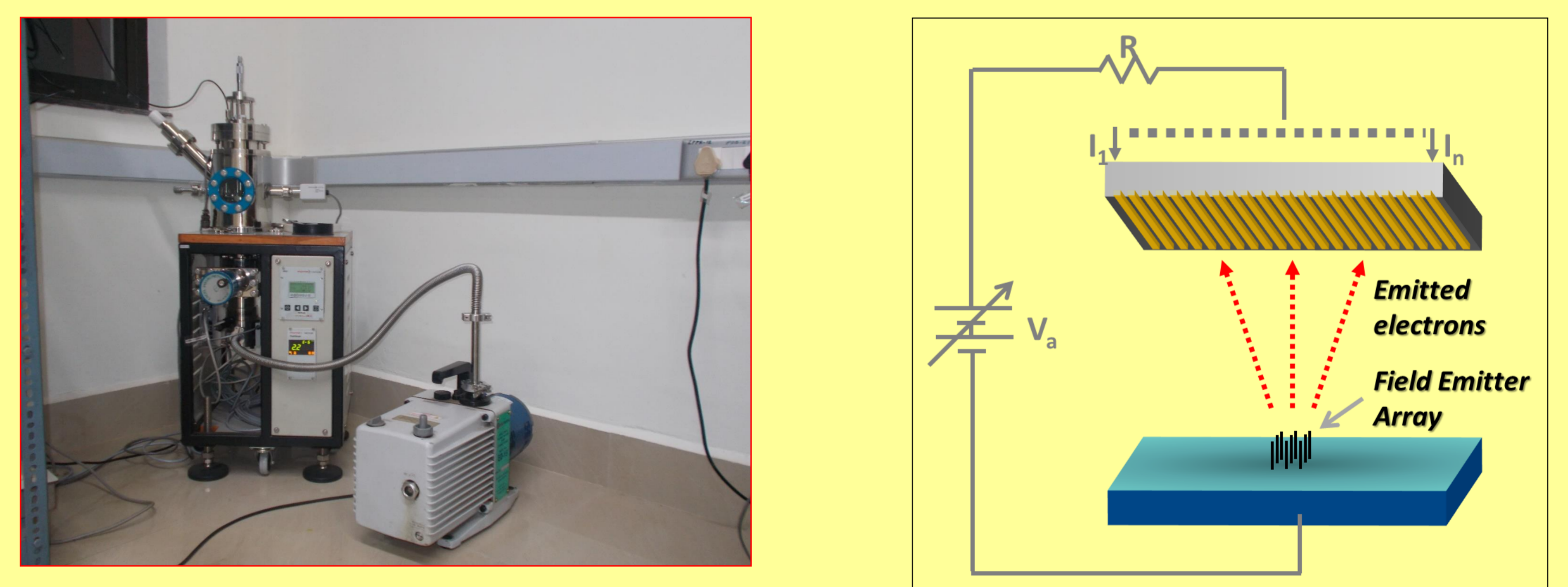


UV-Vis spectrophotometer



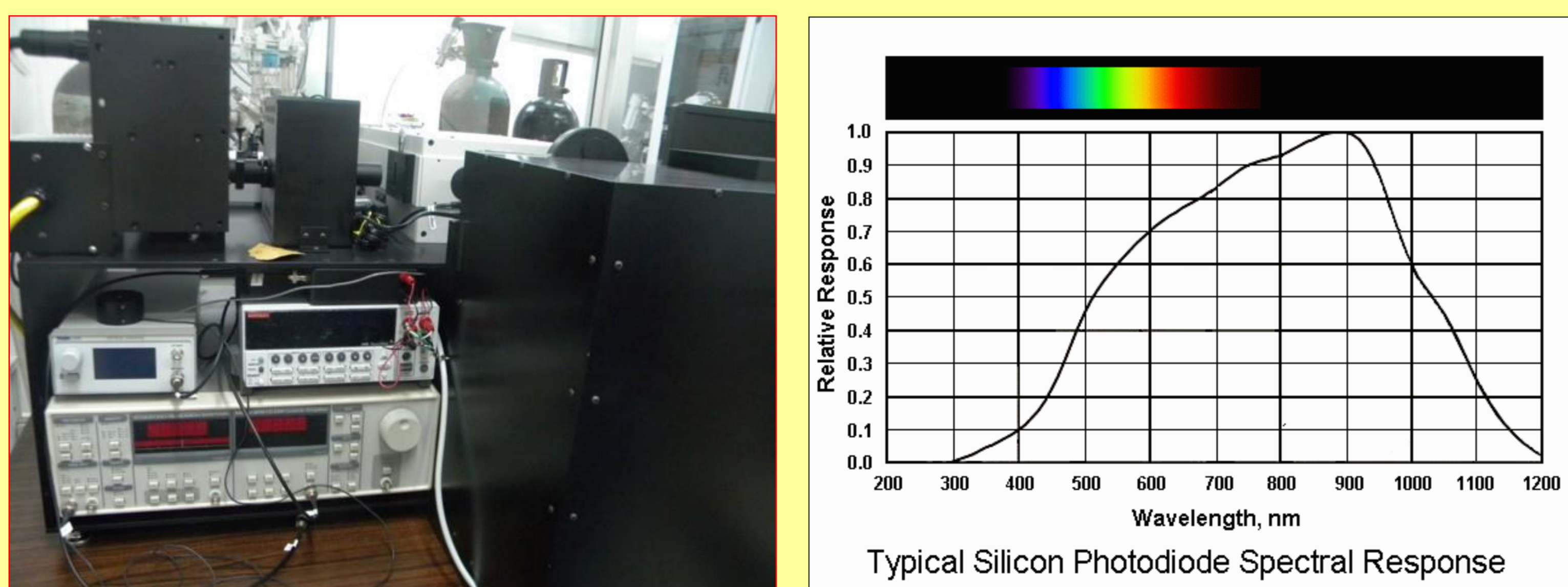
This system is used to study the absorption, reflectance, and transmittance of thin films

Field emission setup



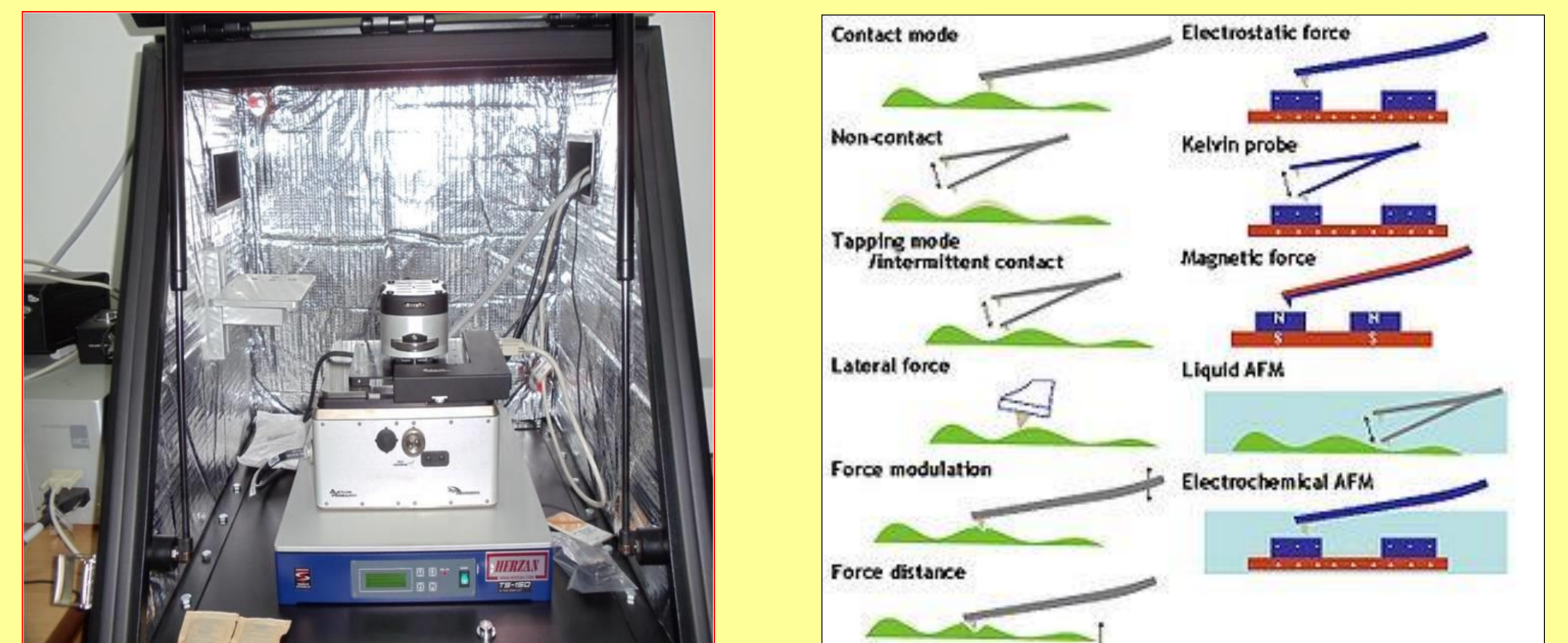
This system is used to study the field emission properties of materials

Spectral response



This system is used to study the optical response of a solar cell

Atomic force microscopy



This system is used to study different properties of materials