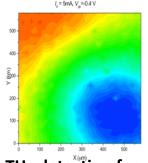
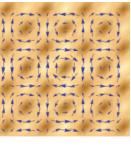
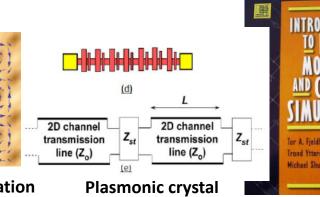
Michael Shur



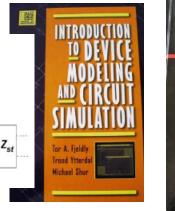
THz detection for **Beyond 5G WIFI**

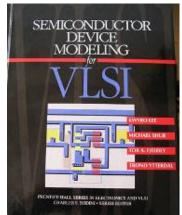


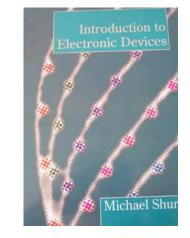
Giant magnetization by THz light



For THz sources

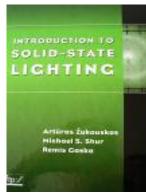






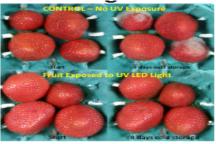


Plasmonics for THz electronics



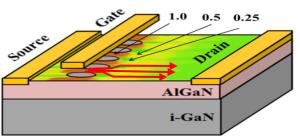


Advanced VLSI design



Decreasing food waste Fighting hospital acquired infections

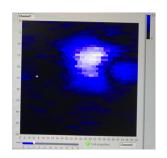
Flexible Electronics



Superior performance due to non-planar **Electron flow**

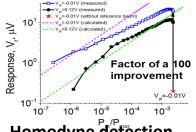
Smart lighting Color rendition Engine





Hardware cyber security

Deep UV

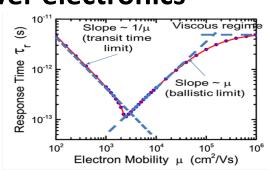


Homodyne detection-Superfast speed c controlled by phase

Nanoparticles enable THz **Frequency Performance**

Superfast Electronics

Power electronics



Higher mobility materials could have lower speed