2.3.4 Summary to: Conductors - General Applications

- No electrical engineering without conductors!
 - Hundreds of specialized metal alloys exist just for "wires" because besides σ, other demands must be met, too:
 - Example for unexpected conductors being "best" compromise:

Don't forget Special Applications:

Money, Chemistry (try Na!), mechanical and thermal properties, compatibility with other materials, compatibility with production technologies, ...

Poly Si, Silicides, **TiN**, **W** in integrated circuits.

Contacts (switches, plugs, ...); Resistors; Heating elements; ... Transparent conductors