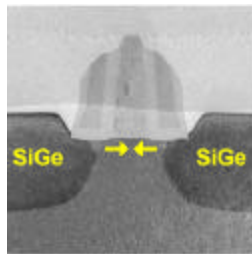


**Future  
15 years  
Non-classical CMOS**

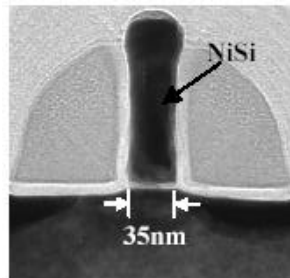
**Beyond CMOS**

**Today  
90 nm Node  
Lg ~45 nm**



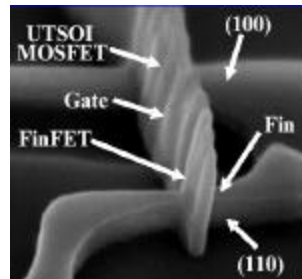
**Strain  
Enhanced Mobility**

**Tomorrow**



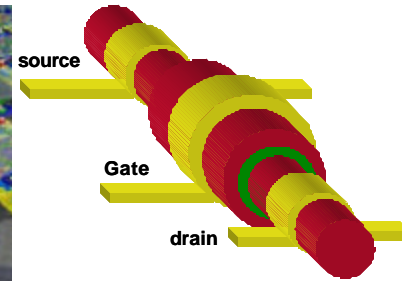
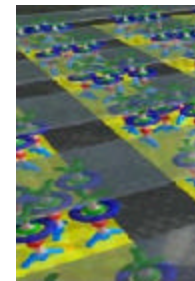
**New Materials**

**45 nm Node  
Lg <25 nm**



**CMOS  
pMOS FINFET**

**16 nm Node  
Lg ~6 nm**



**Molecular Switches?  
Nanowire Transistor?**



**The Trybula Foundation, Inc.**

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