

He said: transistor density doubles every 2 years.

This cannot be possible in the future, and particularly not now, for these three reasons:

- 1° The computer hardware size is limited (it's hard to minimize they more) ,
- 2° The power to keep they alive can not be increased (but they require more power),
- 3° The temperature generate by these objects could be dangerous for the CPU,
- 4° Voltage scaling has some limitations:
 - 1 - reduces the dynamic consume,
 - 2 - cannot prevent leakage power loss,
 - 3 - is limited by threshold voltage.