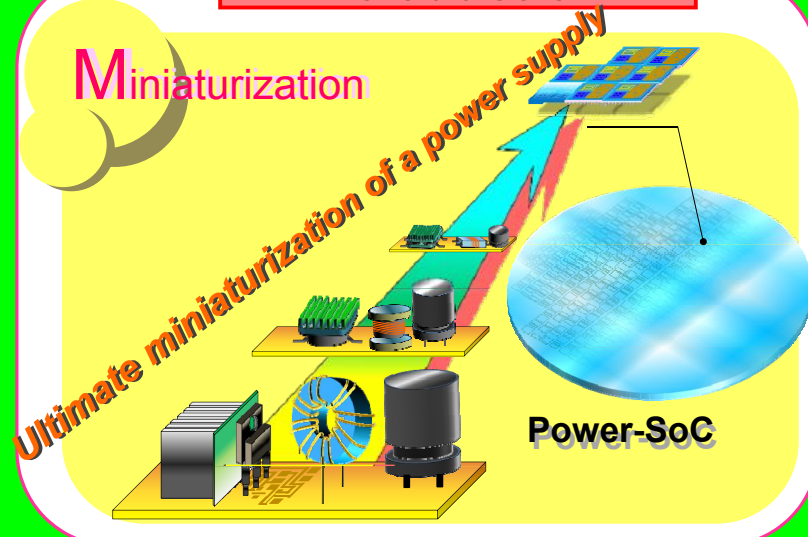




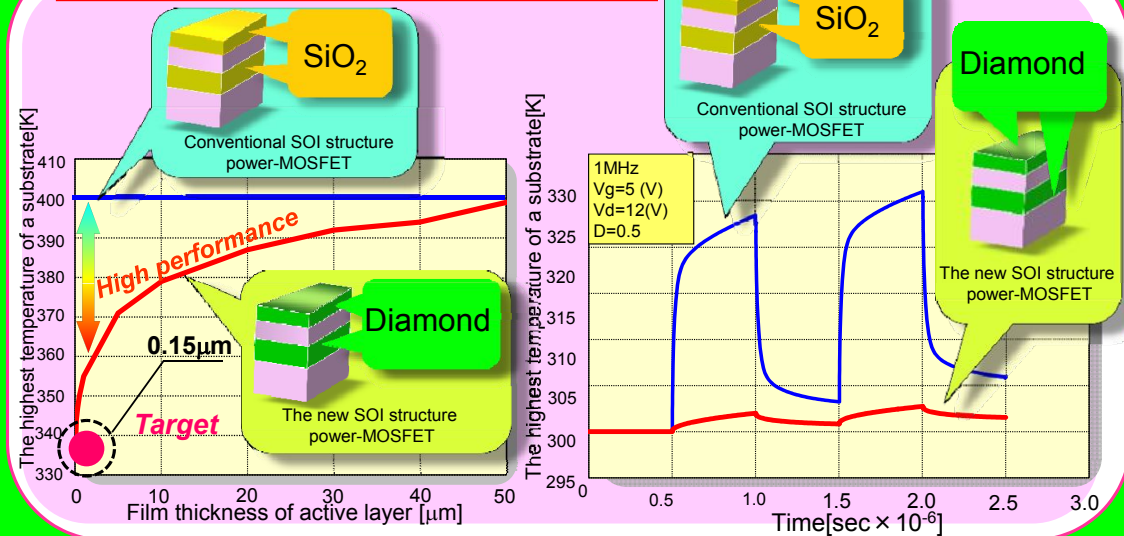
## Numerical predictions of a new SOI structure using thin-diamond film used as insulator

Takuya Kodama\*, Satoshi Matsumoto\*, Takatoshi Yamada\*\*, Masataka Hasegawa\*\*, and Shinichi Nishizawa\*\*  
E-mail: smatsu@ele.kyutech.ac.jp

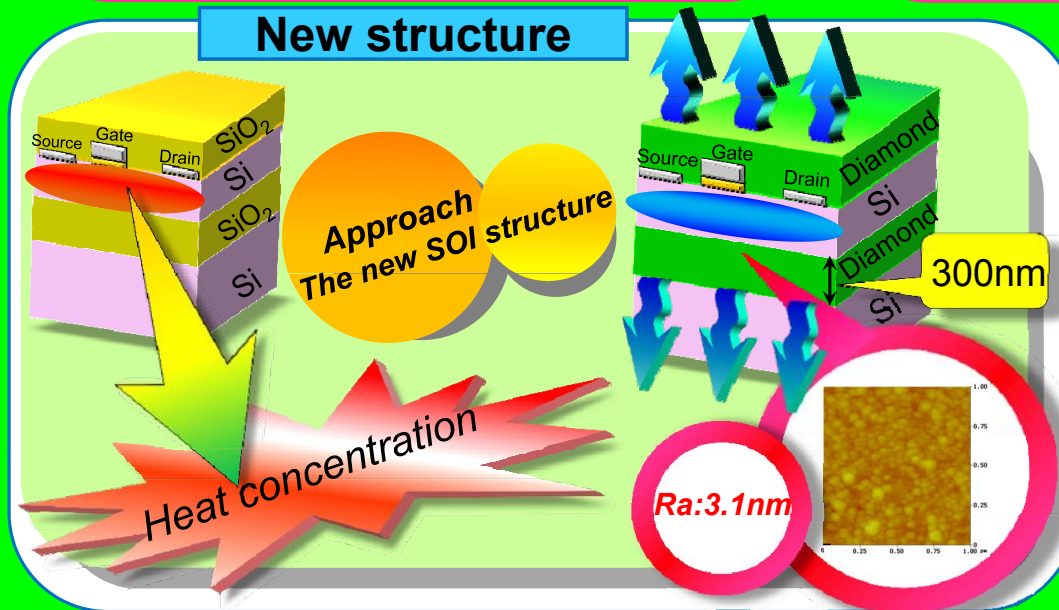
### Introduction



### Simulation and Result



### New structure



### Conclusion and Future work

- We propose the new SOI structure with thin-diamond film.
- The new SOI structure showed high heat dissipation capability.

#### Future work

