Kenneth Goodson-Stanford University

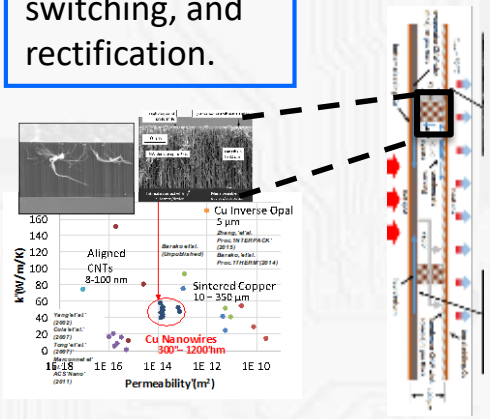
POETS

AN NSF SPONSORED CENTER

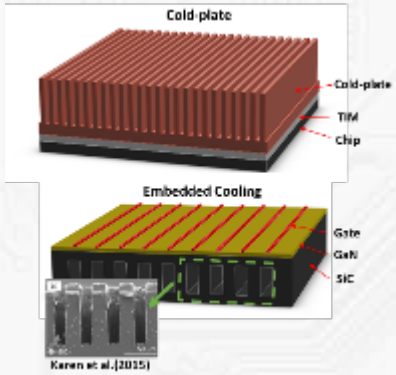
- Embedded cooling for high power electronic devices.
- High performance liquid/vapor two-phase heat transfer systems.
- Phase routing strategies for dielectric liquids.

http://nanoheat.stanford.edu

Heat spreading, switching, and rectification.



Nanomaterials for vapor chamber



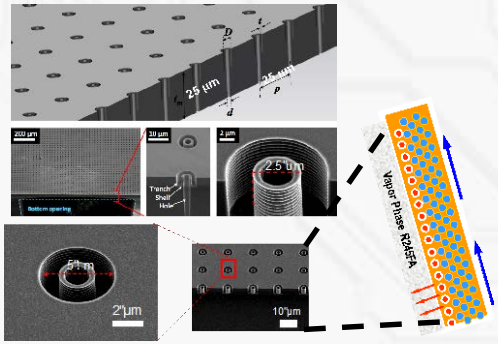
Interlayer cooling

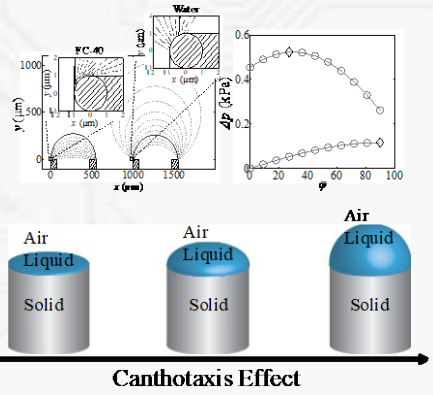
Electronics Thermal Management at the Extremes

Spreading by Etched Diamond Channels

Nanomaterials for phase change heat transfer

Phase routing for two-phase systems



Microfabricated phase separator

Theory for liquid retention