

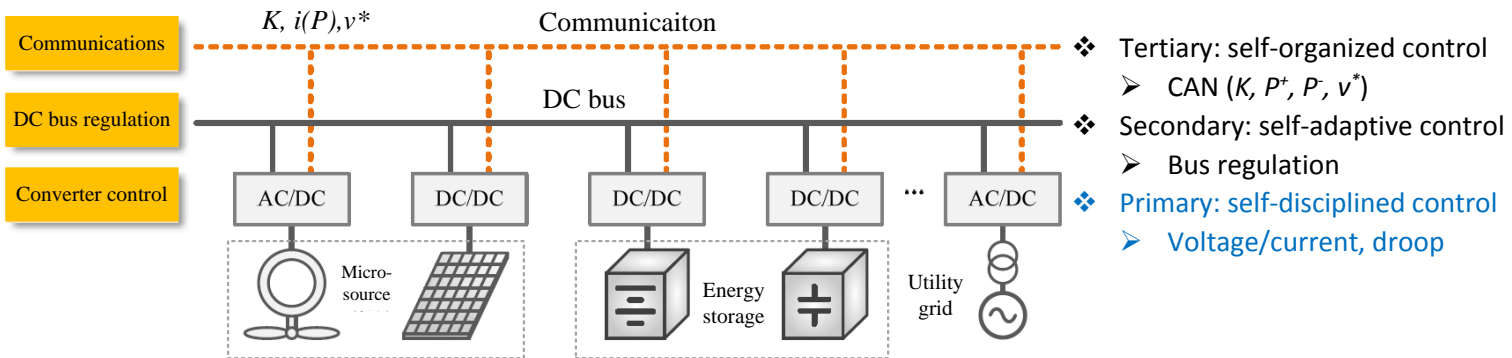
Hierarchical Control in DC Microgrids

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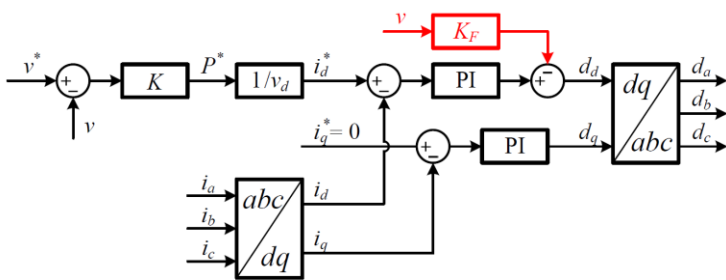
Supervisor: Zhengyu Lin, Prof. Wuhua Li (Zhejiang University)



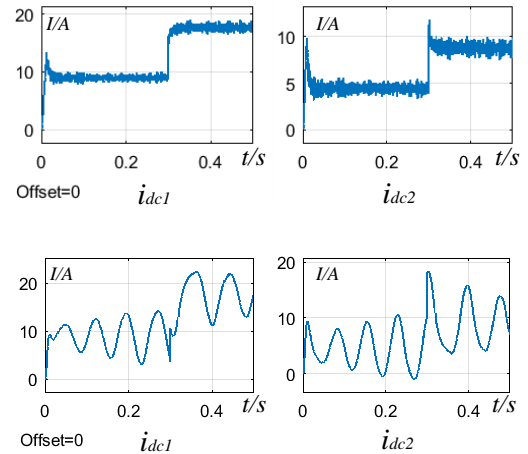
Hierarchical control scheme



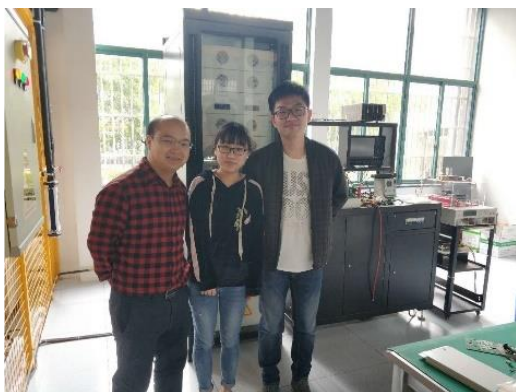
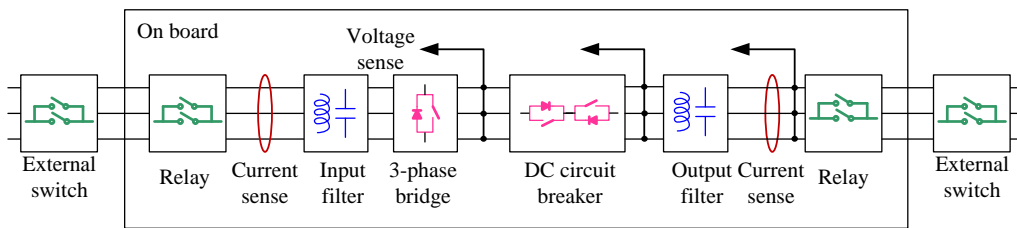
Stability issues on primary control



- ❖ Instability occurs when two interface converter modules are paralleled through 100mH power line.



Microgrid bench structure



- ❖ Great experience of knowledge sharing
 - Universal converter design
 - Programme skills
 - Systematic control design
 - Methods
- ❖ Great chance for eye-widening
 - Wonderful laboratory
- ❖ Beautiful university and city
- ❖ Nice group atmosphere

