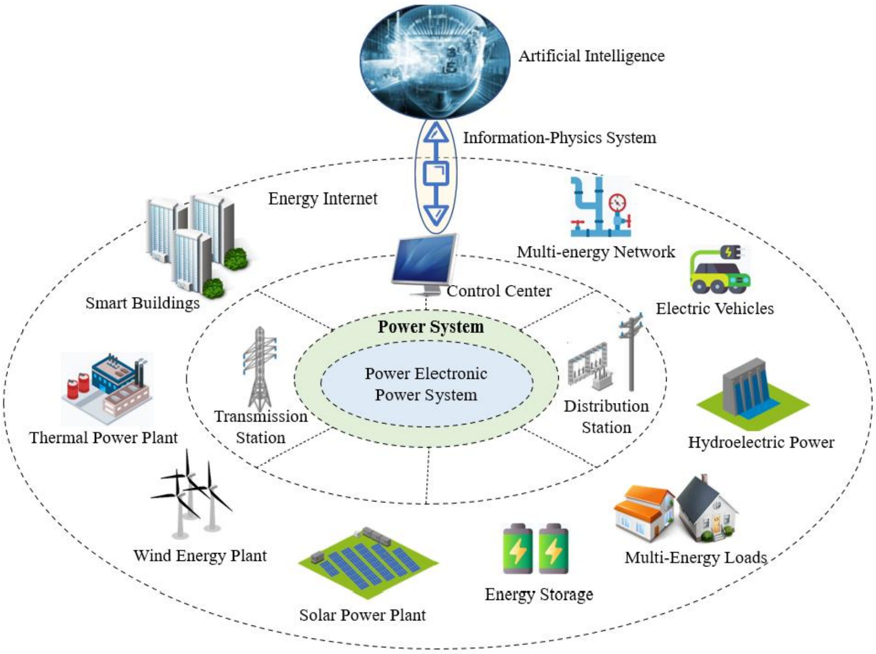
Renewable Energy Research Group-AI for Energy

Core Research Areas

- **Integrated Energy System Operation**
- **Renewable-EV Microgrid Operation and Control**
- **Energy Internet**
- **Multi-Buildings Energy Management**
- **Distribution Network Voltage Control**
- **Design for Wind Power Converter**
- **Stability Prediction and Control of Wind Power Converter**



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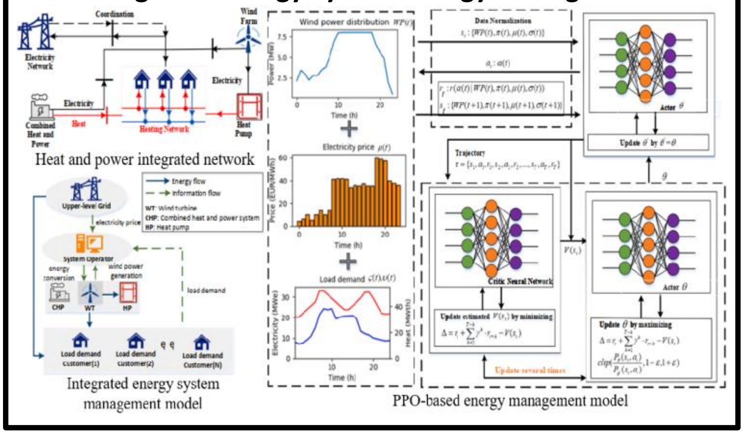
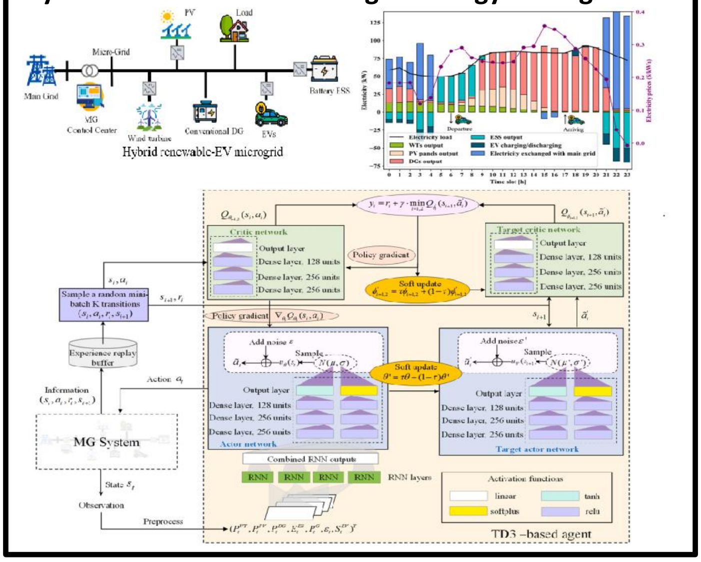
Publications: http://homes.et.aau.dk/zch/publications.htm

AI for Renewable Energy System

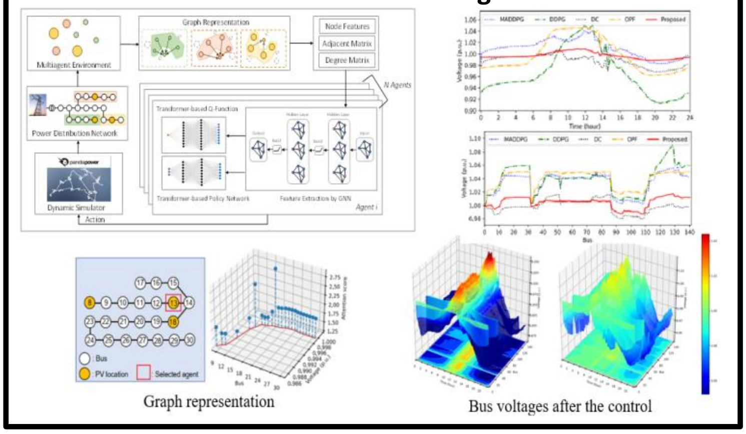
Integrated Energy System Energy Management



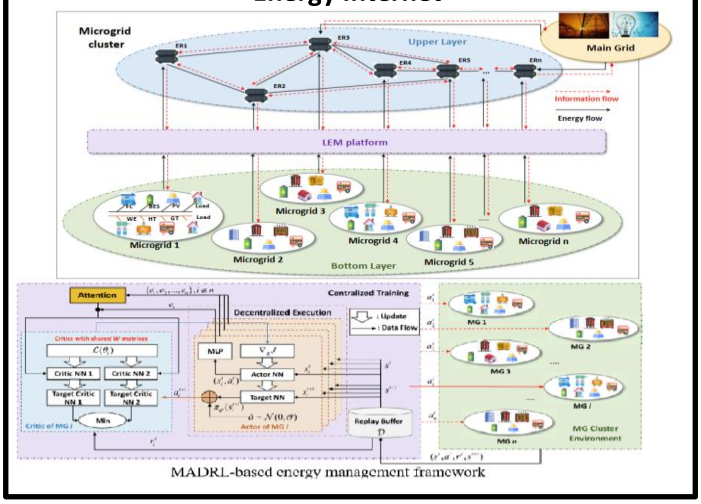
Hybrid Renewable-EV Microgrid Energy Management



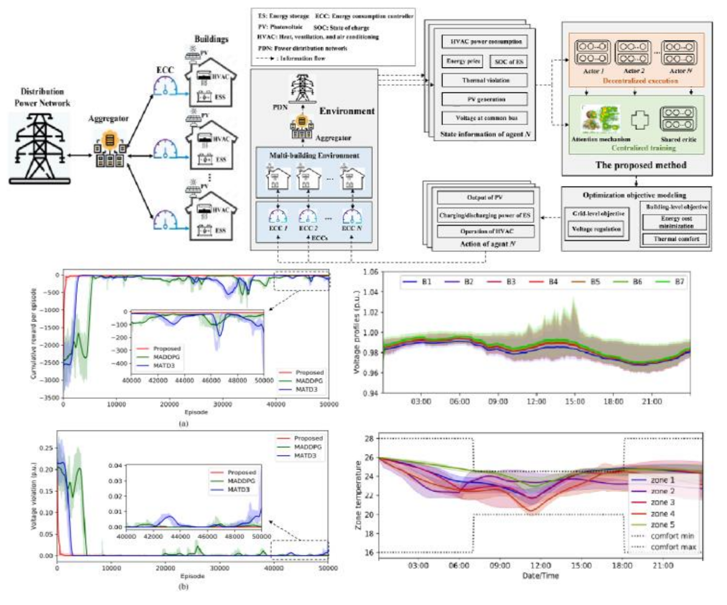
Distribution Network Voltage Control



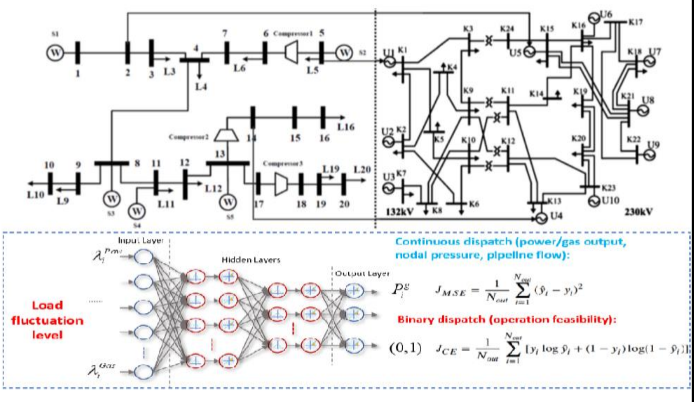
Energy Internet



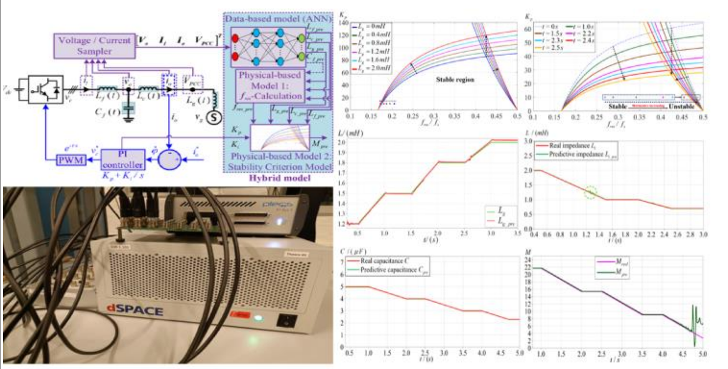
Multi-Buildings Energy Management



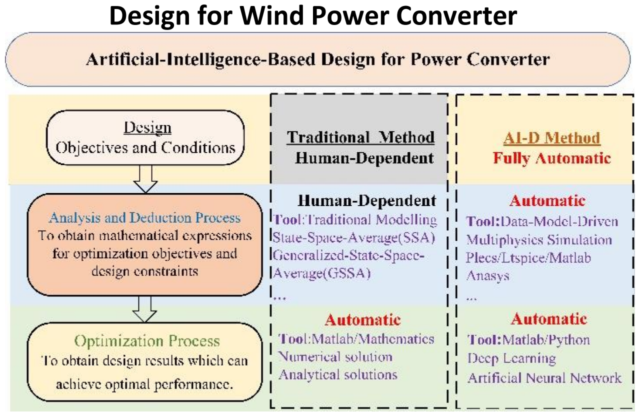
Neural Network -based Fast Economic Dispatch



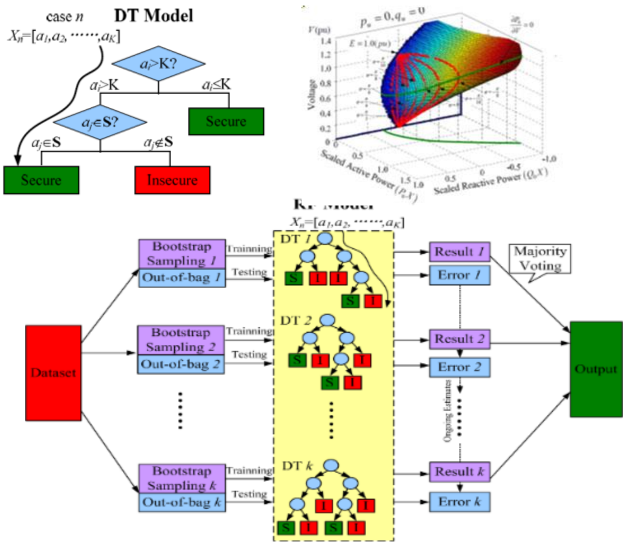
Stability Prediction and Control of Wind Power Converter



Design for Wind Power Converter



Dynamic Security Assessment and Preventive Control



Health Monitoring and Fault Diagnostics of Wind Turbines