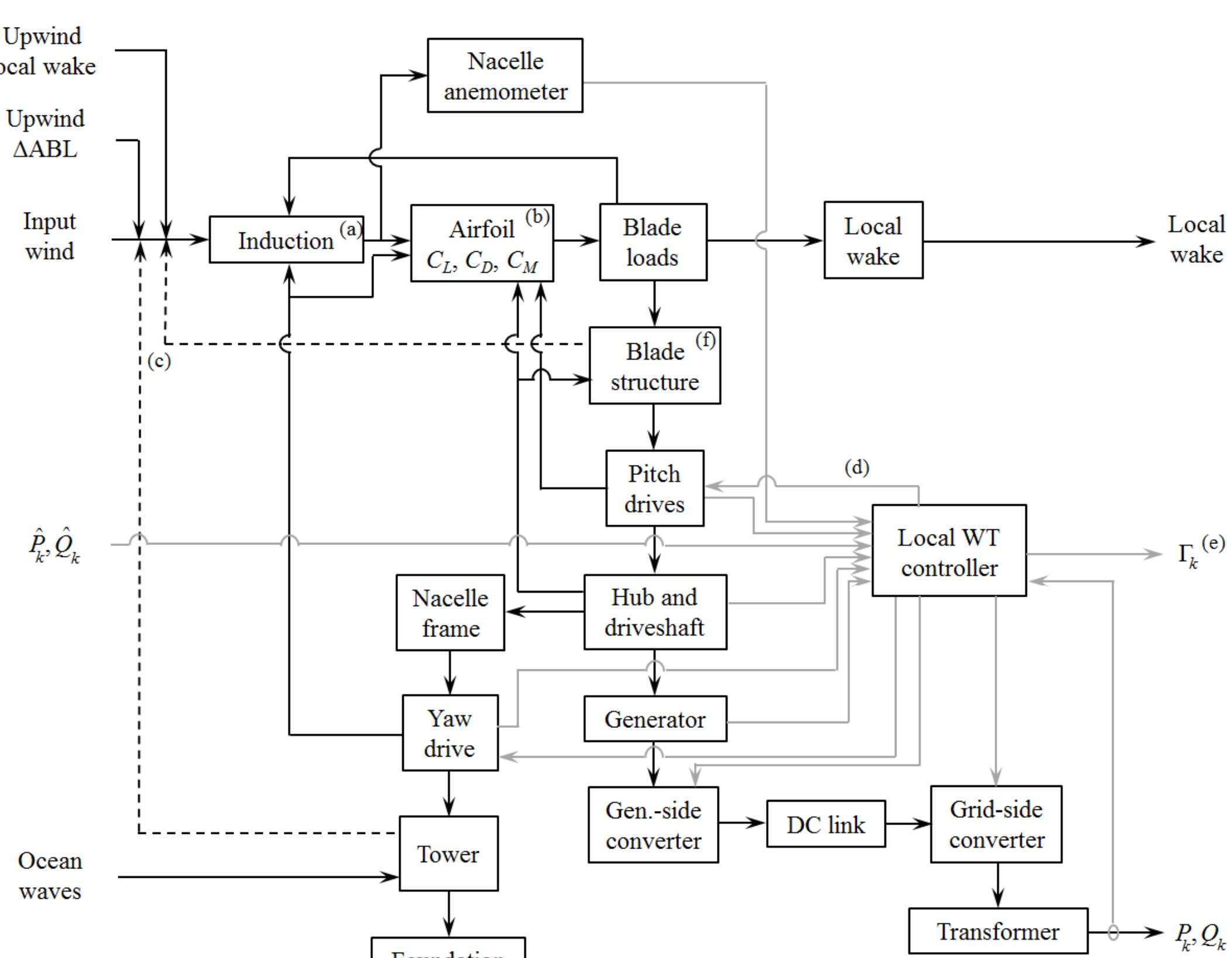


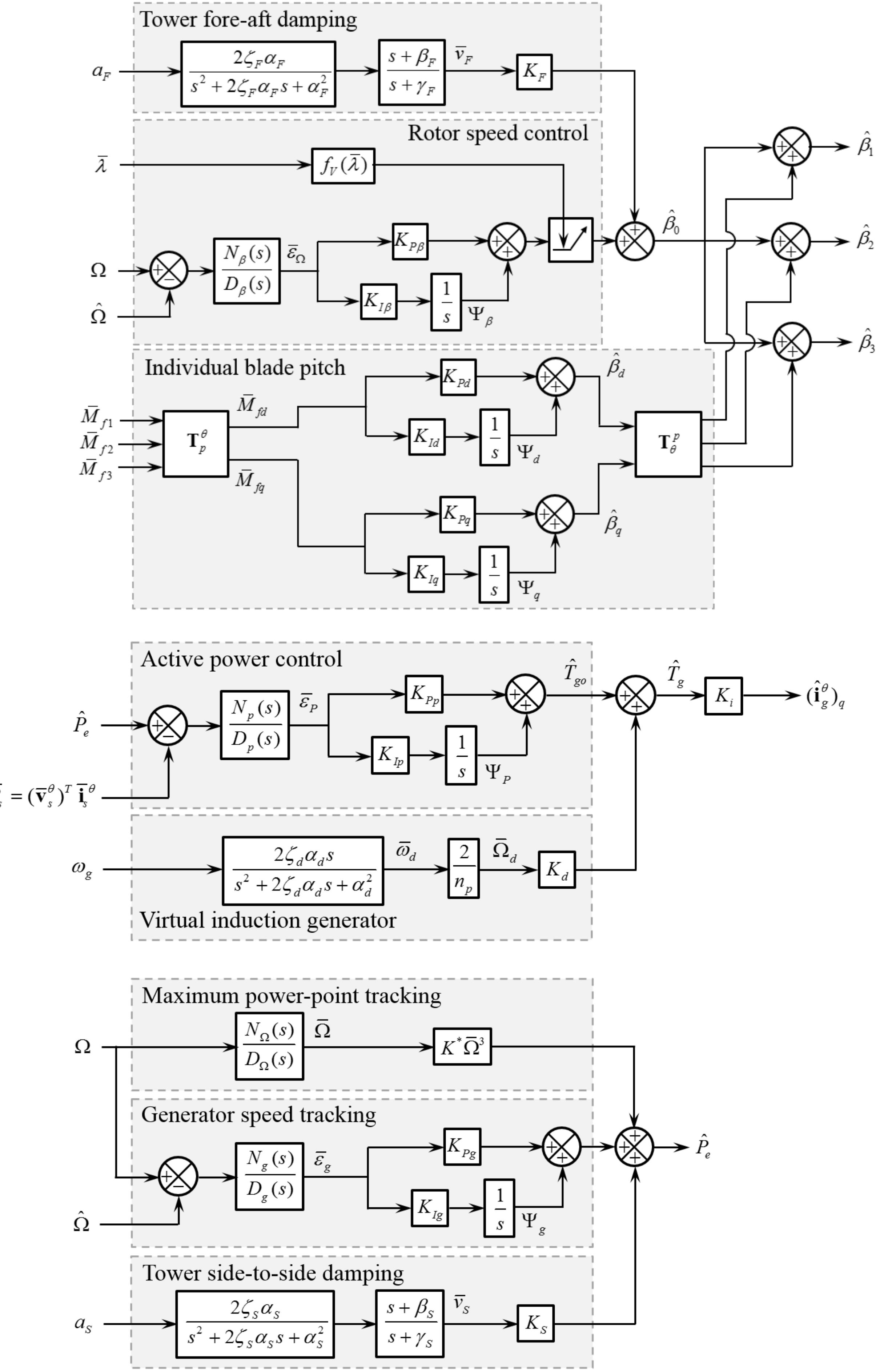
Elements of real-time optimal wind power plant control

Karl Merz (karl.merz@sintef.no) and John Olav Tande, SINTEF Energy Research
Adil Rasheed, SINTEF Digital

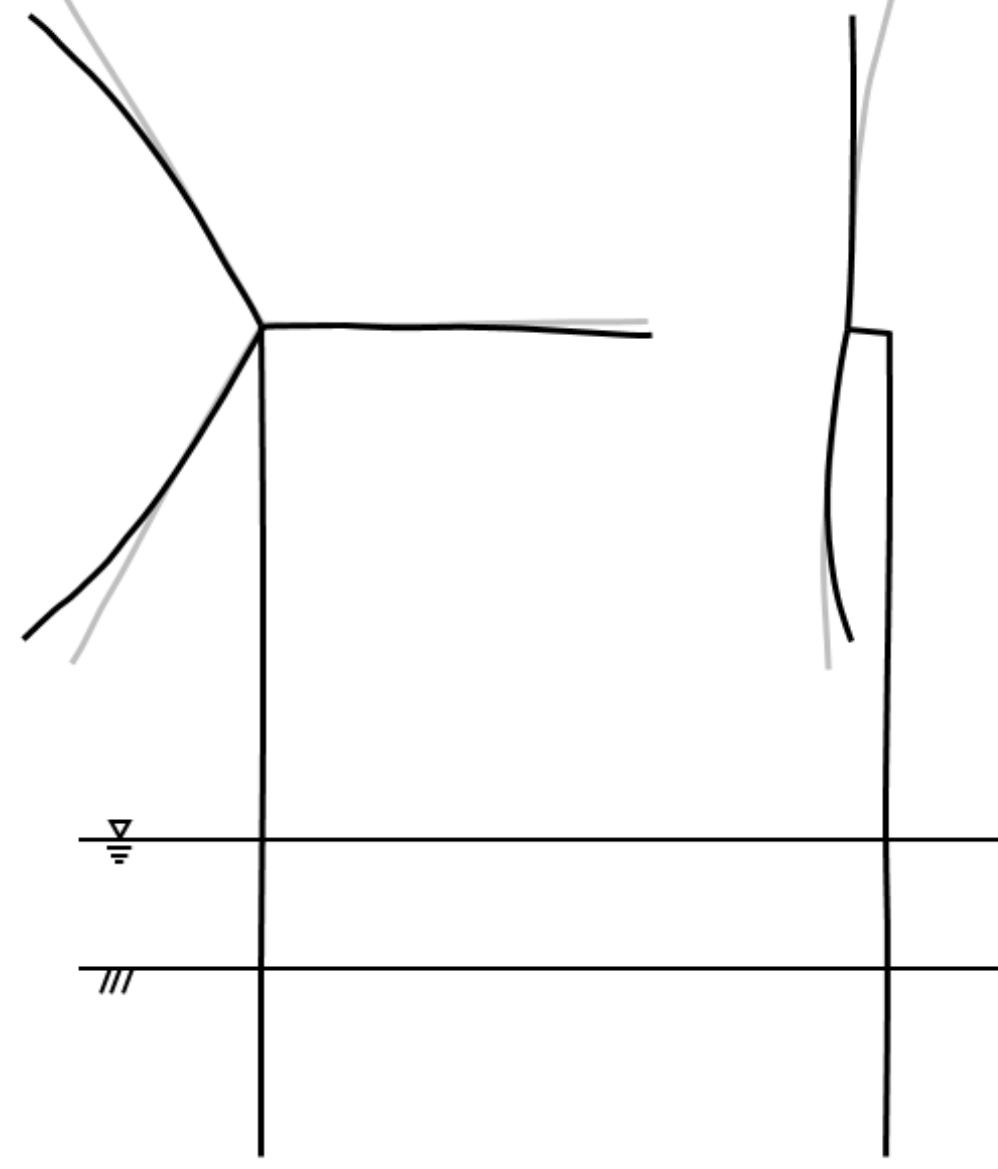
Aeroelastic model



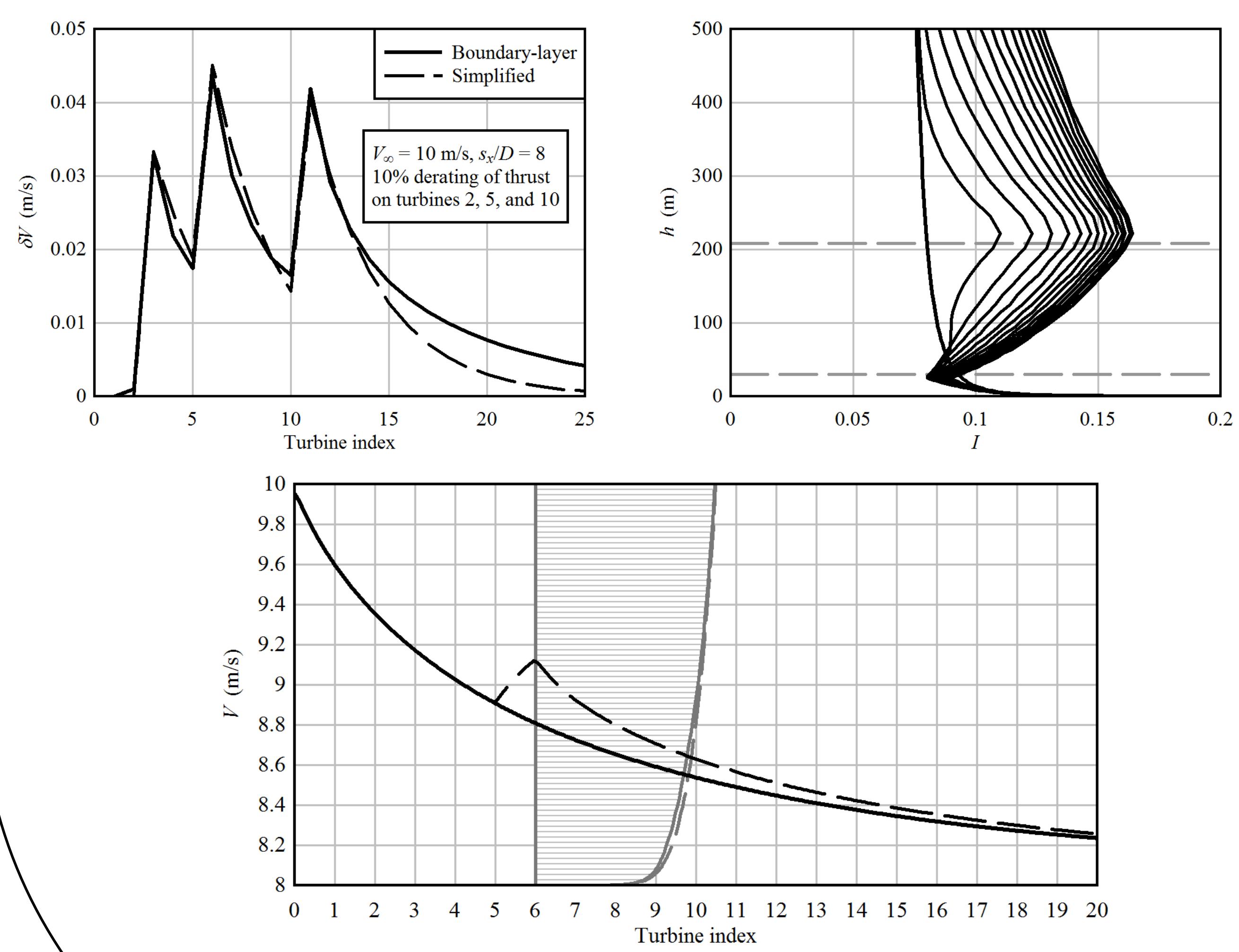
Full suite of control functions



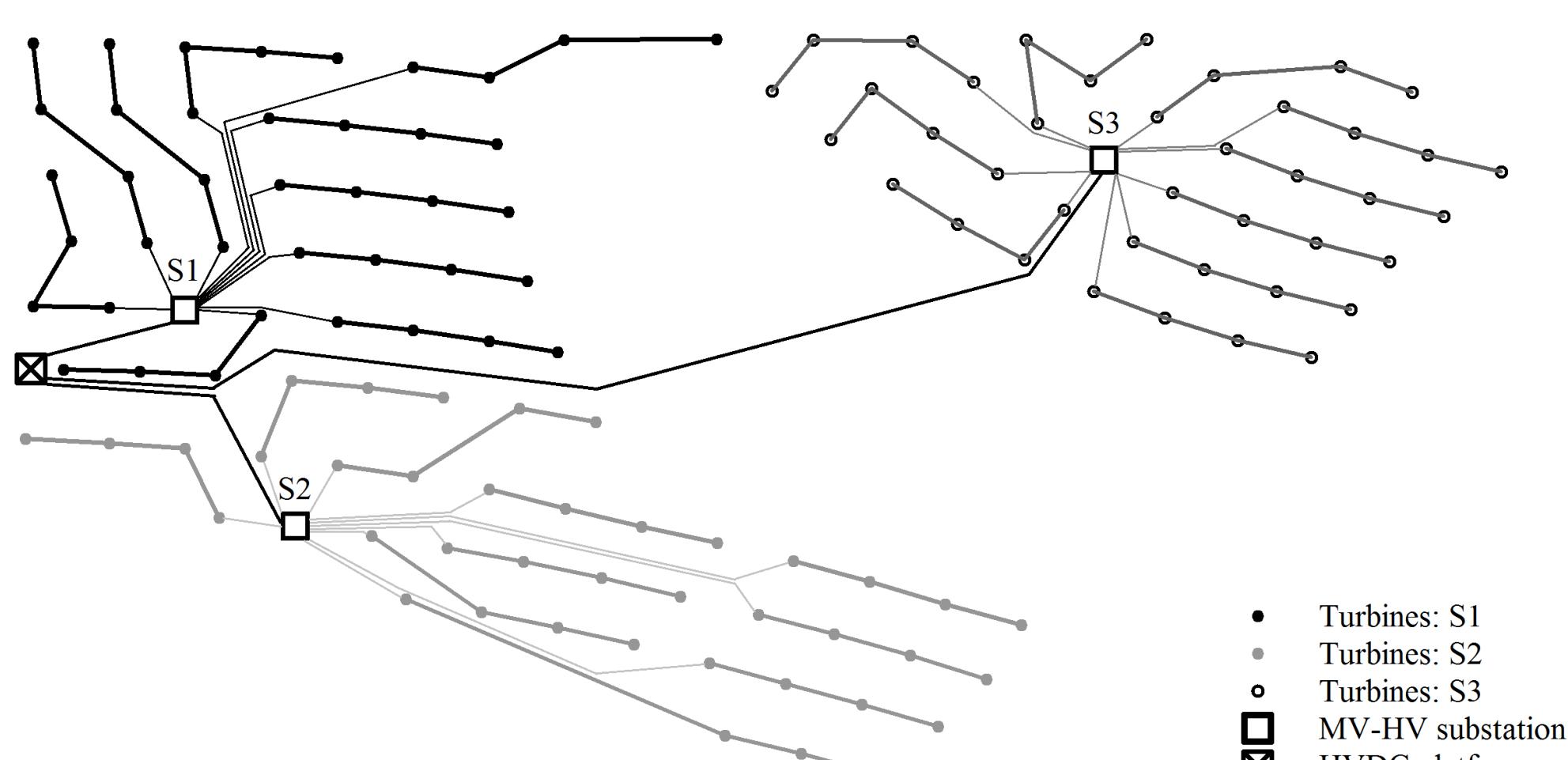
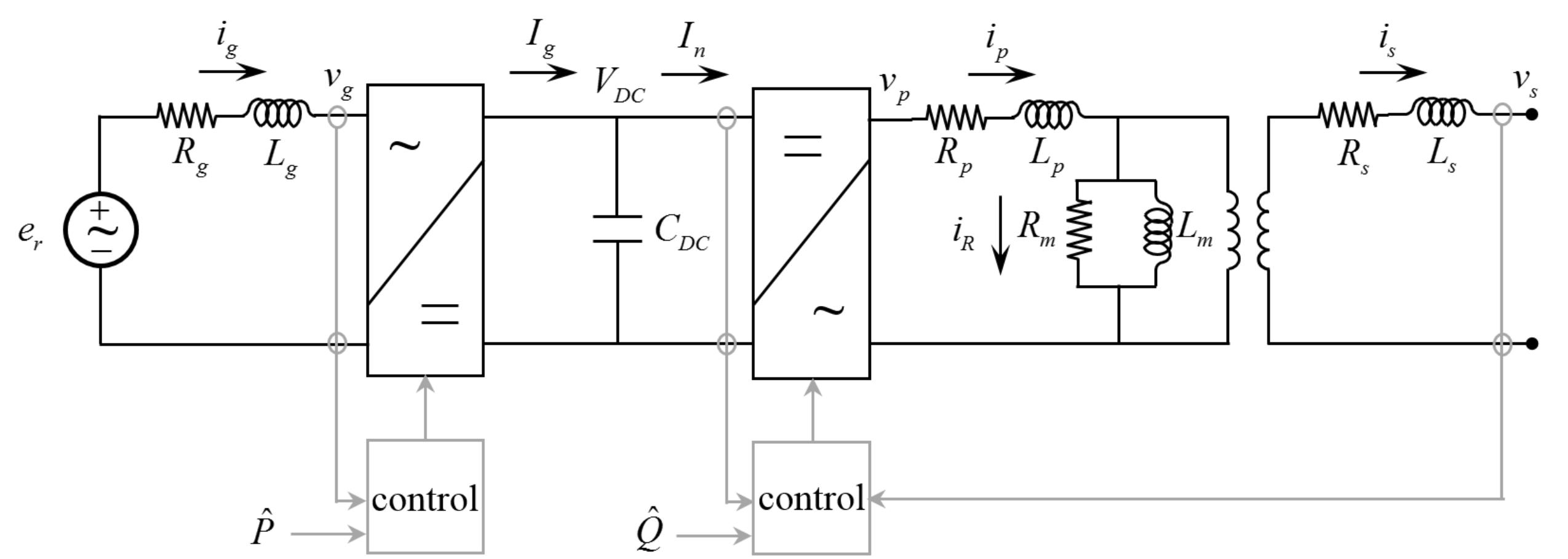
Modal reduction of the system



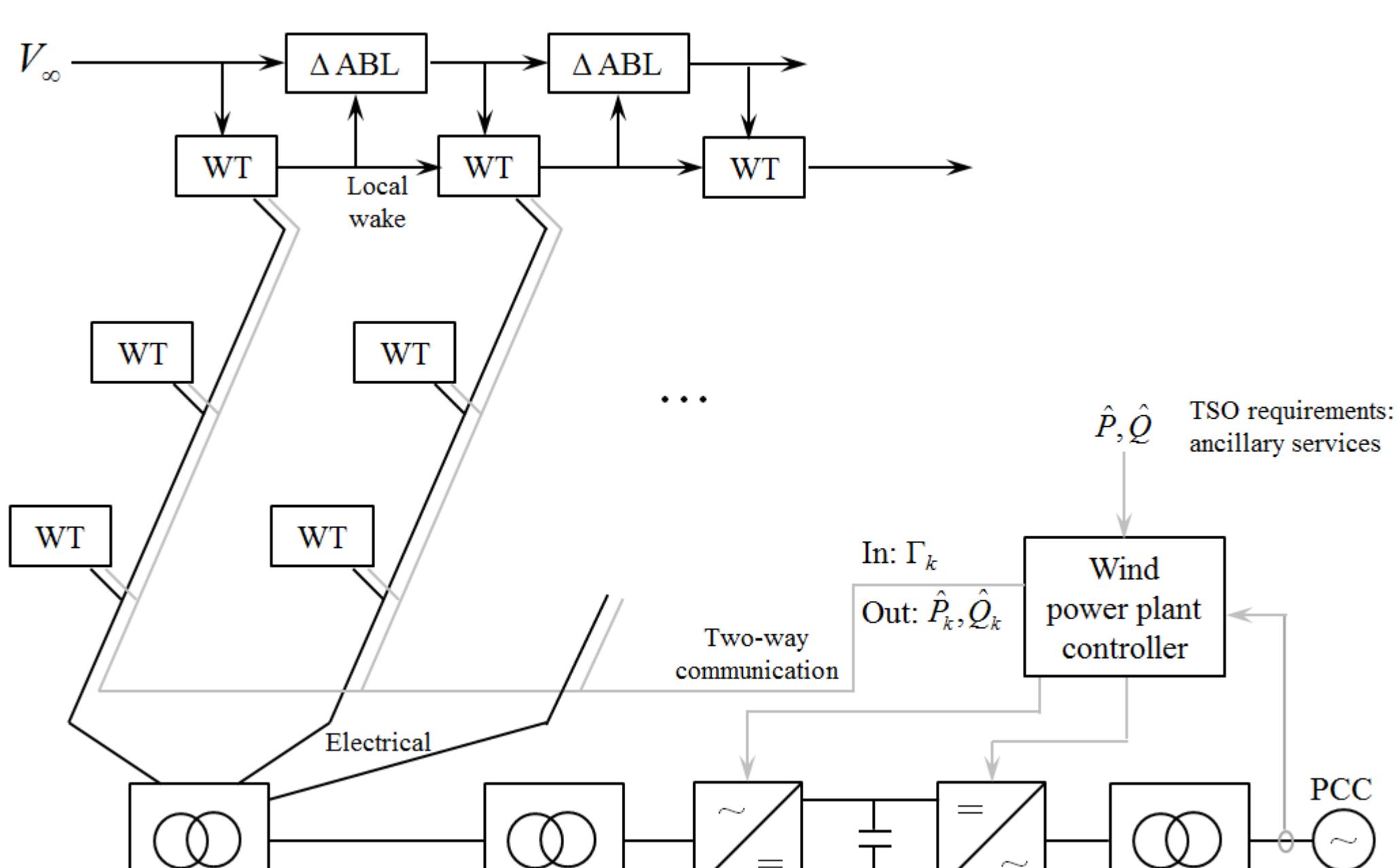
Engineering methods for turbulent wake flow



Electrical components and systems



Unified state-space/observer model (STAS)



The OPWIND project (2017-2021)

