MSc Wind Energy Engineering Introduction to Wind Turbine Aerodynamics Summer Semester 2021

Korjahn, Schlipf and Schaffarczyk

Coding our own

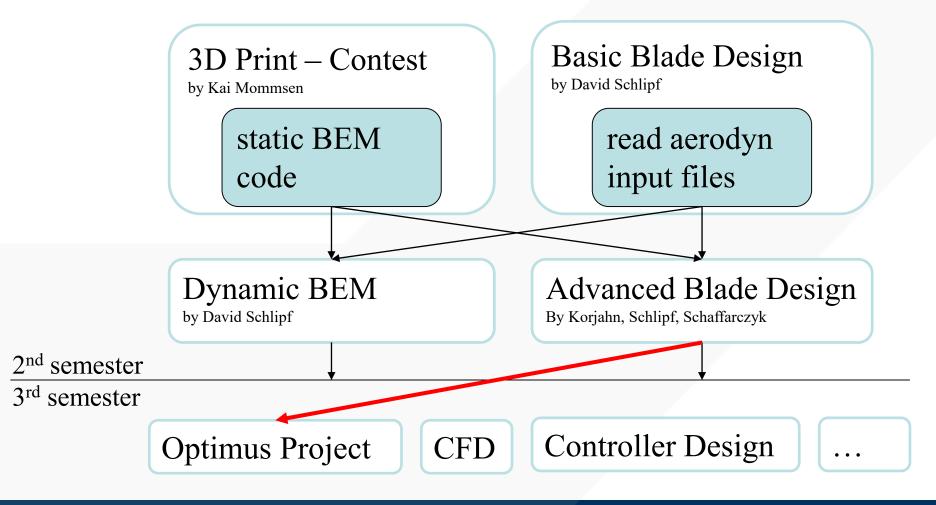
Aerodynamic Design Code

KSS-Blade





Overview







• We can use the groups from the lecture "Certification, load assumptions and simulations"





Language: matlab (octave)

Good Matlab Programming Practices (available in the net)

- main and all other functions, subroutine, classes etc should be not longer than 100 lines
- comment all data-declarations
- use "simple" algorithmic structures only
- No tricks from computer science



- Separate code into three main pieces:
- 1. Input
- 2. Solving
- 3. Post-processing (plots etc)
- Communication via ASCII



Share project via:

https://de.mathworks.com/help/simulink/ug/shareproject-on-github.html

Out node:

Github.com/Schaffarczyk/KSS-Blade

