

1 April 2015



SG2224
Applied CFD

Today

- Check list inclusive project choice
- Formation of groups – finalized?
- Turbulence and modelling - continuing



Groups



- **A: Falling Object (-)**
- **B: Sluice Gate (6^4)**
- **C: Hydrodynamic Wedge Surface Impact (15)**
- **D: Hydrofoil Close to Free-Surface (1, 9)**
- **E: Motorcycle Shock Absorber Valve Orifice (3)**
- **F: Motorcycle Shock Absorber Check Valve (-)**
- **G: Air Bubbles in Blood Channel (10^2)**
- **H: Jet Vector Control ($2^4, 16^2$)**
- **I: Fluidic Oscillator for flow control (7)**
- **J: Wing with Flow Control (5, 8, 13)**
- 6 more persons to form 2 groups and chose A or F:
Johannes, Antoine, Mustafa, Prabal Singh, Lukas, Claire

Project



- Starting
 - After Fluent tutorial and individual task
 - Contact your project leader
 - Appointment or bilda/e-mail instructions
 - Use bilda group discussion forum
- Aim with the project
 - Problem definition, modelling level and approximations
 - CFD analysis: Meshing, computation, analyze
 - Quality: Refined analysis, parameter study, et.c.
- Peer reviewing
 - Each person get one group to review
 - Write a short review report based on presentation and report
 - max half page – further instructions will come