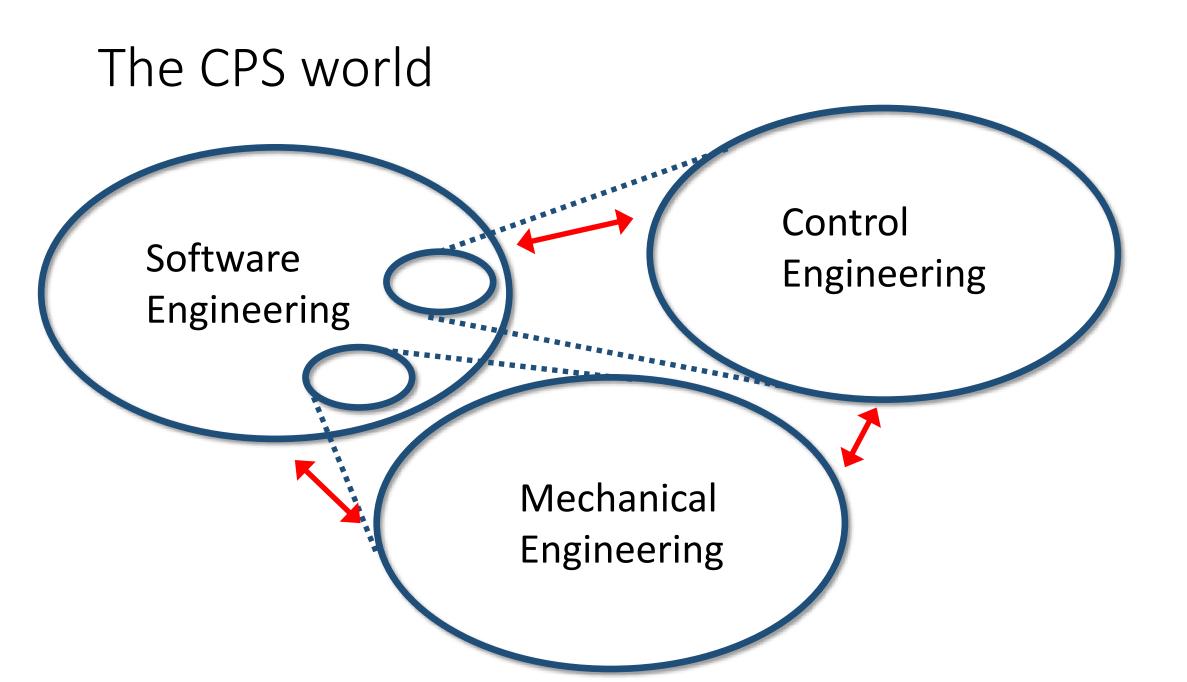
Aligning different disciplines

Danny, Ilias, Franco, Mohammad

Which disciplines?

- Technology stack perspective
 - Hardware level
 - System level
 - Software level
- Engineering perspective
 - Electronics
 - Mechanics
 - Software



How to make the alignment?

- Respect disciplines!
 - Every discipline has its own (proven) representation
- Cross-world connections
 - What is the vocabulary to talk to each other?
- Identify the mismatches
 - Type level (SE) vs instance level (control)
- Identify what is typically assumed from one world for the other

Who manages the alignment?



For certified systems: Senior from one of the domains

The manager's role spans from controlling to facilitating

If it's a greenfield design, who will **design** the overall system?

Reflections

- Disciplines can learn for each other
- Be open-minded
- Role of education?
- Empirical research to understand the world of CPS (a la Christina)
 - Is there enough awareness that there is lack of alignment in CPS?
 - How big is the gap between disciplines?
 - Is there a *need* for alignment? When/Where?