IDE
INNOVATION
DESIGN
ENGINEERING
IDE 2016 – Diverse cohort
Educational challenge:

“Since we live in an age of innovation, a practical education must prepare a person for work that does not yet exist and cannot yet be clearly defined.”

Peter F. Drucker
Educational challenge:

- No overall defined course narrative
- No standardized methodology
- Avoidance of simplified problem solving techniques
- Contrast of contexts and scales for individual development
- Group working / interdisciplinarity for divergent thinking

- No book of spells but there is magic
Millie Clive Smith – IDE 2013 (EVA Diagnostics)
Mohammed Daud – IDE 2011 (Stephoe)
Suggestions:

• Dissolving the disciplines
EXP - Charlotte Furet (Bio Display)
Disruptive Market Innovation - Directions
DMI GROUP PROJECT: “TINI” (Spirulina algae as a food)
Suggestions:

- Dissolve the disciplines
- Approaches over skills
Diagram: X,Y Module Intro by Professor Anthony Bull (Imperial College)

Technology changes driving industrial growth have a phase lag ~50 years

Technology Led Innovation
Suggestions:

- Dissolve the disciplines
- Approaches over skills
- Get ready for new ages!
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- Dissolve the disciplines
- Approaches over skills
- Get ready for new ages!
- Connecting
Or to put them another way:

- Who cares about the labels – drop them
- Catapult learning into uncomfortable spaces
- Bio is coming - be like a virus, infect everything
- Find the scary edge and jump