

The role of humans in designing and validating future systems

- Society is addicted to Software
 - Need for software outstrips human supply
 - People not good at it
- Apply AI to automated software for embedded and after critical systems [\[codeplay\]](#)
 - Need only be better than the state-of-the-art.
 - ro, driving
- Automated testing needs automated oracles. Can we [learn oracles](#)
- Software is not fragile

break it, bend it, Evolve it

Six impossible things before breakfast



- To have impact do something considered impossible.
- If you believe software is fragile you will not only be wrong but shut out the possibility of mutating it into something better.
- Genetic Improvement has repeatedly shown mutation need not be disastrous and can lead to great things.