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.