AI IN AVIATION INDUSTRY

Khudoleev Artyom

Wilson Anton

WHAT IS AI

- simulation of human intelligence process
  - ✔ learning
  - ✔ reasoning
  - ✔ self-correction
- part of the Fourth Industrial Revolution

TICKETING SYSTEMS

- great candidate for AI-based algorithms
- saves money while providing better service to customers

FLIGHT MAINTENANCE

- cancellations and delays are expensive
- AI-based predictive analytics

AVOIDANCE SYSTEMS

- TCAS (traffic collision avoidance system)
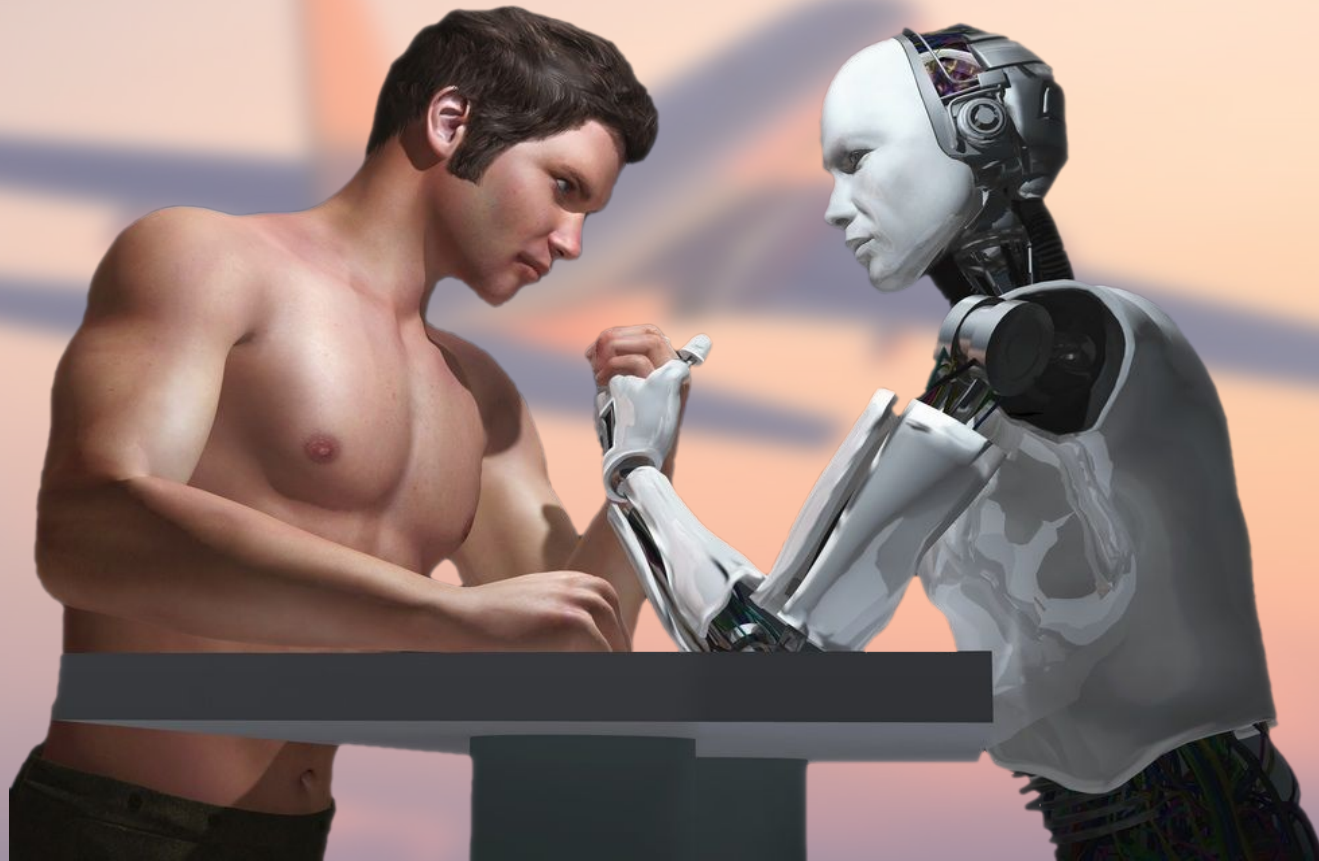- MTCD (medium term conflict detection)

FUEL EFFICIENCY

- decreasing fuel waste
- determine the optimum amount of fuel

CREW MANAGEMENT

- missing crew members can have ripple effects
- better management of crew assignments

AI VS MAN

THANK YOU FOR YOUR ATTENTION