Concerns for IoT with AI

- **Context**
  - Context (characteristics) in which the system is currently operating
  - Explicit context definition
  - Operational design domain
- **Cost**
  - Efficiency
  - Energy consumption
  - Energy efficiency
- **Data**
  - Data quality
  - Data quality at runtime
  - Data characteristics
- **AI Architecture**
  - Software Deployability
  - Collaboration
  - Portability with different DL models
  - Partitioning of neural nets
- **Society and Ethics**
  - Malicious use
  - Privacy
  - Fairness
  - Explainability
  - Interpretability
  - Job category killer
  - Trust
  - Transparency
- **Dependability and Safety**
  - Safety argumentation
  - Accuracy
  - Redundancy
  - Reproducibility
  - Reliability
  - Verification of SoS
  - Real time monitoring