Enabling the Creation of Intelligent Things

European Driving License for Robots and Intelligent Systems
Overview and Results of study

Expectations of board members and practitioners
Sectors

• Games
• Economy
• Education
• Material Engineering

• Crime Analysis
• Automotive
• Logistics
• Robotics
Importance of AI topics

- Robots
- Vision
- Machine Learning
- Applications
- Speech
- Knowledge Representation and Reasoning
- Cognitive Science
- Natural Language
- Ethics & Social Issues
- Games & Puzzles
- Philosophy
- History

Legend:
- Red: Not important at all
- Blue: Of little importance
- Orange: Of average importance
AI nowadays

• Machine Learning
• Data analysis
• Forecasts
• Simulations

AI in the Future

• Machine Learning
  Data analysis
  Pattern recognition

• Applications
  Smart Home
  Traffic
  Bots
What should be taught?

• What is AI?
• Understand AI techniques
• Mathematical background
• Practical examples
• Applications (what is it used for?)
• Vision

• Machine Learning (Big data)
• Speech
• Gestures
• Geo-Information Systems
• Ethics
Expectations

• Can design, create, implement, work with AI systems
• Understands AI in general
• Knows software development
• Has a broad general technical understanding
• Understands mathematical background
• Knows some AI frameworks
• Can reflect on AI