



# The changing job market

Impact of Robotics, Automation and AI on the medium term job market

Henrik I Christensen, Exec. Dir.  
Robotics & Intelligent Machines  
Georgia Institute of Technology  
Atlanta, GA 30332

[hic@cc.gatech.edu](mailto:hic@cc.gatech.edu)

## DOCTOR FUN



In the world of the future, "intelligent agents" will waste hours watching television for us.

# Automation Drivers – In the past

- Dirty, Dull, and Dangerous
- Jobs
  - Repetitive
  - Unhealthy, dangerous, ...
  - Significant turn-over in staff
- The driver has been \$s

# Emerging Automation Drivers

- Automation will be towards jobs with
  - Structure
  - Limited to no physical person-to-person interaction
  - Consistent quality
- Jobs will move closer to the end-customers
- Specialization is harder to automate
- Total cost of ownership is the new driver

# Changing dynamics

- Unskilled labor is becoming more rare
- Skilled labor is the new norm
- Life-long education will be required

# Can we characterize jobs?

