

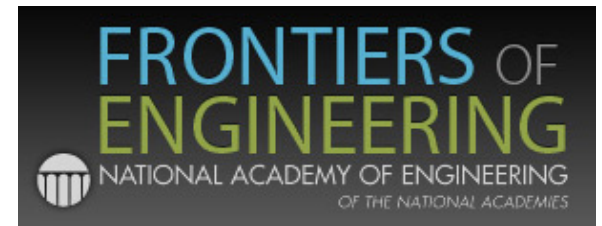
CO-ROBOTICS

SESSION CO-CHAIRS:

BRIAN GERKEY (Open Source Robotics Foundation)

CARMEL MAJIDI (Carnegie Mellon University)

2014 US FOE SYMPOSIUM
SEPTEMBER 11-13, 2014
IRVINE, CALIFORNIA





REF: "FIRE THE MAID" (1956) ROBERT THE ROBOT, BY BERNARD SMITH

INDUSTRIAL ROBOTICS & AUTOMATION



Industrial Robotics
\$5B; 8% growth

Support & Automation
\$20B

44% growth in 2011

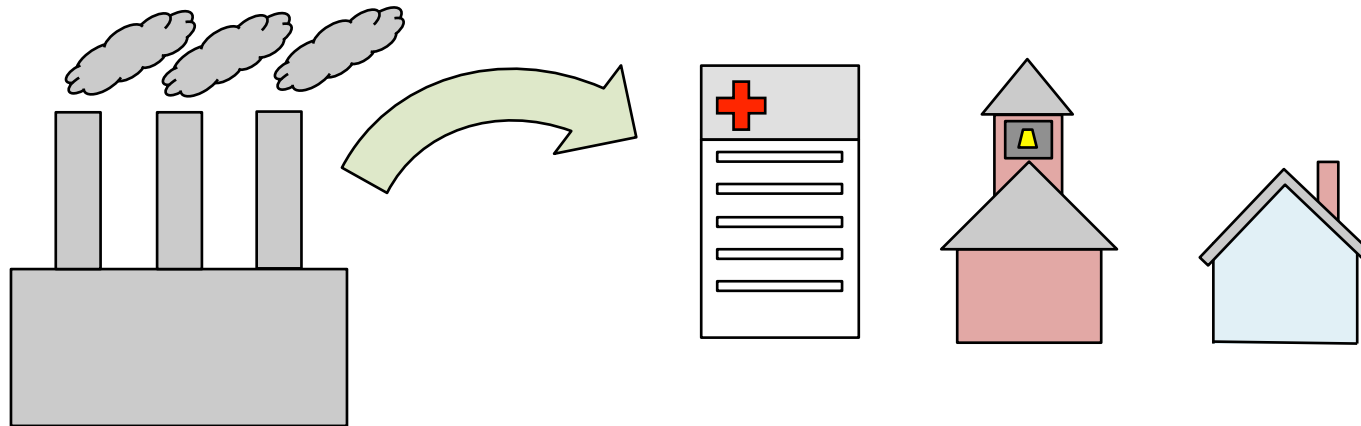
US ROBOTICS

ANNUAL GROWTH (%):

40+ robotic medical procedures

30 professional service robots

20+% domestic service robots

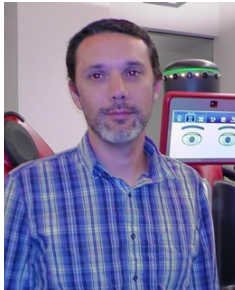




CHRIS URMSON

Google

Progress in Self-Driving Vehicles



MATT WILLIAMSON

Rethink Robotics

Safe, Cheap, and Smart: Collaborative Robots in Manufacturing



ALLISON OKAMURA

Stanford University

Personalized Medical Robots



DENNIS HONG

UCLA

Biologically Inspired Mobile Robots