

# Government Applications of Robotics

## A Treatise on the America's Need to Embrace Robotics

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IEEE-USA

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# Why Robotics?

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- The United States is the leader... in the military

# DARPA's Grand Challenge

## Wide Range of Participants

- Corporate Sponsorship of University-led Teams
- International, Individual, High School teams, also

# DDR&E's Wearable Power Prize

## Investment Multiplier

- Expended \$4.3 million
- Participants spent far more

Participant Expenditure	Count
Under \$10,000	3
\$10,001–50,000	2
\$50,001–100,000	3
\$100,001–250,000	9
\$250,001–500,000	7
\$500,001–1,000,000	3
\$1,000,001–2,500,000	6
Other	3

Table: Expenditures for 36 Finalists

# DDR&E's Wearable Power Prize

At least **\$10,285,000** of commercial spending  
From \$4,300,000 of government spending

# Prominent Prizes

- Orteig Prize, Longitude Prize
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### Instructables.com

- Online Collaboration
- Contests

# Government Venues

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## Public Services

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- Firefighters
- Public Health

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## Public School System

- K-12
- Community Colleges
- Universities

# Public Services

Post Office

Technology Demonstration

Firefighters

Cleaning Robots

NYC Department of Sanitation

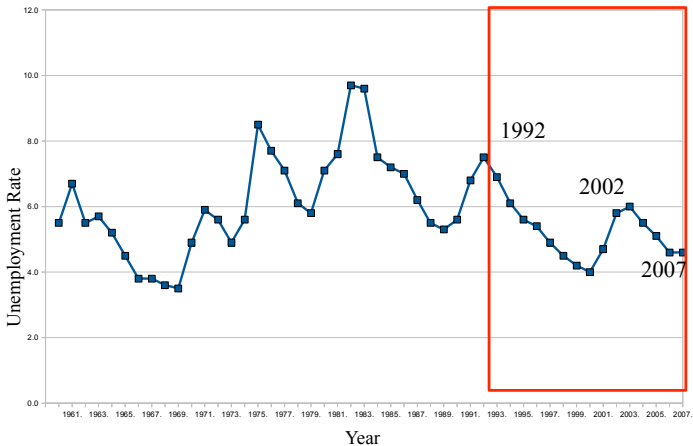
Public Health

# Public Education

Philadelphia Compact

Mentoring through Online and Offline Communities

# Job Creation



# Robotics Commission

## Board for Incentive Robotic Programs (BIRP)

- Federal Services Initiative
- Education Competitions
- Distributed Education

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