The Public Safety Communications Research (PSCR) Division is the primary federal laboratory conducting research, development, testing, and evaluation for public safety communications technologies. It is housed within the Communications Technology Laboratory (CTL) at the National Institute of Standards and Technology (NIST). It addresses the R&D necessary for critical features identified by public safety entities beyond the current generation of broadband technology.

### MISSION

PSCR is driven towards advancing public safety communications technologies by accelerating the adoption and implementation of the most critical communications capabilities to ensure the public safety community can more effectively carry out their mission to protect lives and property during day-to-day operations, large scale events, and emergencies.

### PROMISE

PSCR accelerates innovation by investing in research to transform the future of public safety communications, technology, and operations.
PULLING THE FUTURE FORWARD

5 KEY RESEARCH AREAS

- LMR TO LTE
- LOCATION-BASED SERVICES
- MISSION CRITICAL VOICE (MCV)
- USER INTERFACE
- USER EXPERIENCE
- PUBLIC SAFETY ANALYTICS

INTRAMURAL IMPACTS

EXTRAMURAL IMPACTS

ABOUT PSCR

RESEARCH PARTNERS

MISSION

Critical Voice (MCV)

PUBLIC SAFETY

ANALYTICS

SECURITY

RESILIENT SYSTEMS

TWO CROSS-CUTTING RESEARCH AREAS

NIST

National Institute of Standards and Technology

U.S. Department of Commerce

PSCRGov
As the leading research facility, PSCR supports the development of a nationwide network and impacts the following strategic priority areas:

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<td><strong>AI TO INCREASE OPERATIONAL RESPONSE</strong></td>
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PULLING THE FUTURE FORWARD

PSCRGOV

pscr.gov

ABOUT PSCR

5 KEY RESEARCH AREAS

INTRAMURAL IMPACTS

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About PSCR

5 Key Research Areas

Strategic Topic Areas

Research Partners

Intramural Impacts

Extramural Impacts

As the leading research facility, PSCR supports the development of a nationwide network and impacts the following strategic priority areas:

- **AI to Increase Operational Response**
- **Live 3D Indoor Tracking**
- **5G IoT Sensor Networks for Public Safety**
- **Public Safety Resilient Communications**
- **Public Safety Next Generation Heads Up Displays**
# Pulling the Future Forward

## About PSCR

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| Optera

## 5 Key Research Areas

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| Validus

## Research Partners

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| Hancock
| AXON
| Harris
| Rand

## Intramural Impacts

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| Boston University
| Universidad del País Vasco
| Eutectic Marca

## Extramural Impacts

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| IBM
| JPL
| NASA

PSCR.Gov
PULLING THE FUTURE FORWARD

EXTRAMURAL RESEARCH
GRANTS AND COOPERATIVE AGREEMENTS

OVER $76.1M IN GRANTS AWARDED TO DATE

179 TOTAL AWARD RECIPIENTS
SUBCONTRACTORS & PUBLIC SAFETY PRACTITIONERS

1 PATENT GRANTED FOR RESILIENT SYSTEMS
AWARD RECIPIENT

OVER 20 PUBLICLY AVAILABLE
OPEN SOURCE CODE
INCLUDING VR ENVIRONMENTS & ANALYTICS FRAMEWORKS

3 PATENT APPLICATIONS
SUBMITTED FOR
LOCATION-BASED SERVICES AWARD RECIPIENTS

OPEN INNOVATION

WINNERS FROM 26 STATES & 7 COUNTRIES

14 CHALLENGES LAUNCHED

WINNERS: 176 TEAMS

OVER $3.61M IN PRIZES AWARDED TO DATE

OVER 745 TOTAL SUBMISSIONS

WHICH WORDS BEST DESCRIBE PSCR’S ANNUAL STAKEHOLDER MEETING?

CUTTING EDGE
INNOVATION
RELEVANT
INTERESTING
DEDICATION
WELL-RUN

FUTURISTIC
ORGANIZED
EDUCATIONAL
INFORMATIVE
NETWORKING
USEFUL
COLLABORATION

RESEARCH PUBLICATIONS

EXTRAMURAL

77 PSIAP AWARD RECIPIENT PUBLICATIONS

73 PROFESSIONAL JOURNAL/CONFERENCE PROCEEDINGS

4 OTHER PUBLICATIONS

ABOUT PSCR
5 KEY RESEARCH AREAS
STRATEGIC TOPIC AREAS
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