

Exceptional service in the national interest



Partnering with Sandia

November 2nd, 2012

Marcey Hoover, PhD
Senior Manager, Surety Engineering

Sandia's History



THE WHITE HOUSE
WASHINGTON

May 13, 1949

Dear Mr. Wilson:

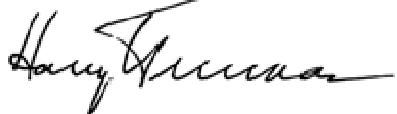
I am informed that the Atomic Energy Commission intends to ask that the Bell Telephone Laboratories accept under contract the direction of the Sandia Laboratory at Albuquerque, New Mexico.

This operation, which is a vital segment of the atomic weapons program, is of extreme importance and urgency in the national defense, and should have the best possible technical direction.

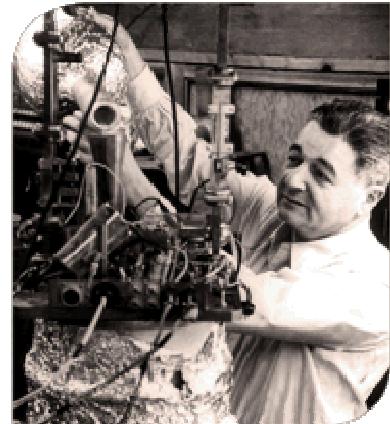
I hope that after you have heard more in detail from the Atomic Energy Commission, your organization will find it possible to undertake this task. In my opinion you have here an opportunity to render an exceptional service in the national interest.

I am writing a similar note direct to Dr. O. S. Buckley.

Very sincerely yours,

The handwritten signature of Harry S. Truman.

Mr. Leroy A. Wilson,
President,
American Telephone and Telegraph Company,
195 Broadway,
New York 7, N. Y.

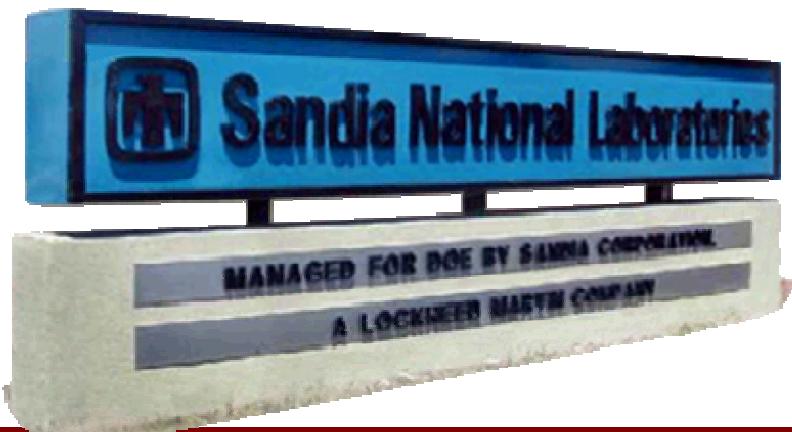


Sandia
National
Laboratories

Sandia is a Multidisciplinary National Security Laboratory



- Sandia develops technologies to:
 - Sustain and modernize the nuclear deterrent,
 - Prevent the spread of weapons of mass destruction,
 - Protect the national infrastructure,
 - Defend the nation against terrorist threats,
 - Provide new capabilities to the armed forces, and
 - Ensure the stability of the nation's energy and water supplies.



Sandia's science, technology, and engineering help ensure that the nation maintains technological superiority and preparedness, which are critical to national defense, homeland security, and the nation's economic well-being.

Sandia's Governance Structure



**Government-owned
contractor-operated**



Sandia Corporation

- AT&T: 1949–1993
- Martin Marietta: 1993–1995
- Lockheed Martin: 1995–present

**Federally funded research
and development center**



Sandia's Sites

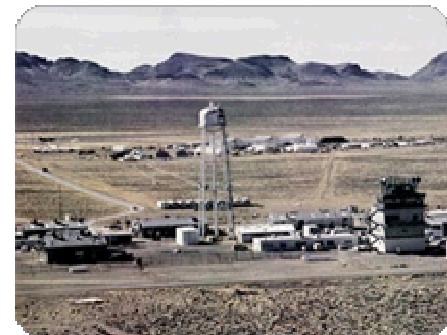
Albuquerque, New Mexico



Carlsbad, New Mexico



Tonopah, Nevada



Livermore, California



Amarillo, Texas



Kauai, Hawaii



Our Workforce

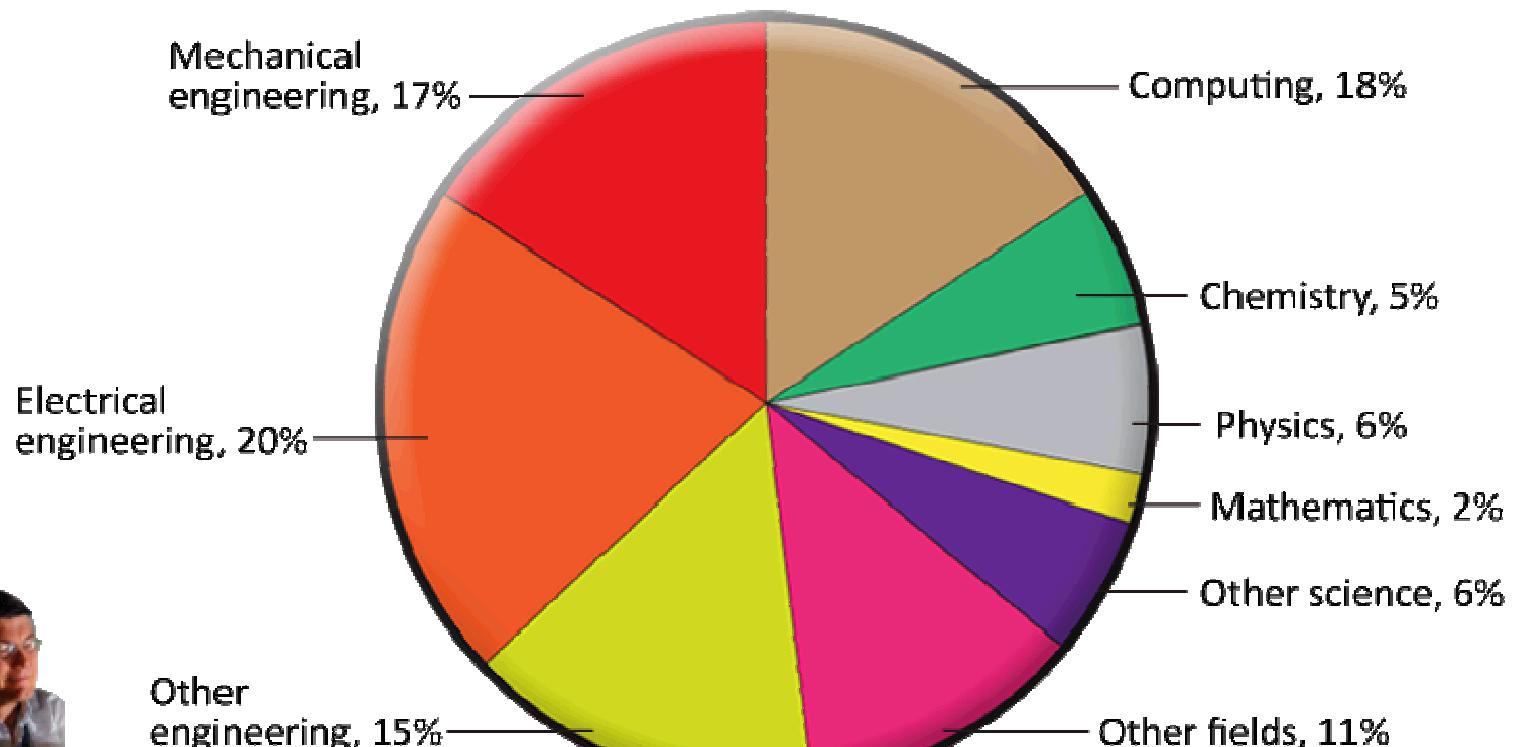
~170 Purdue alumni



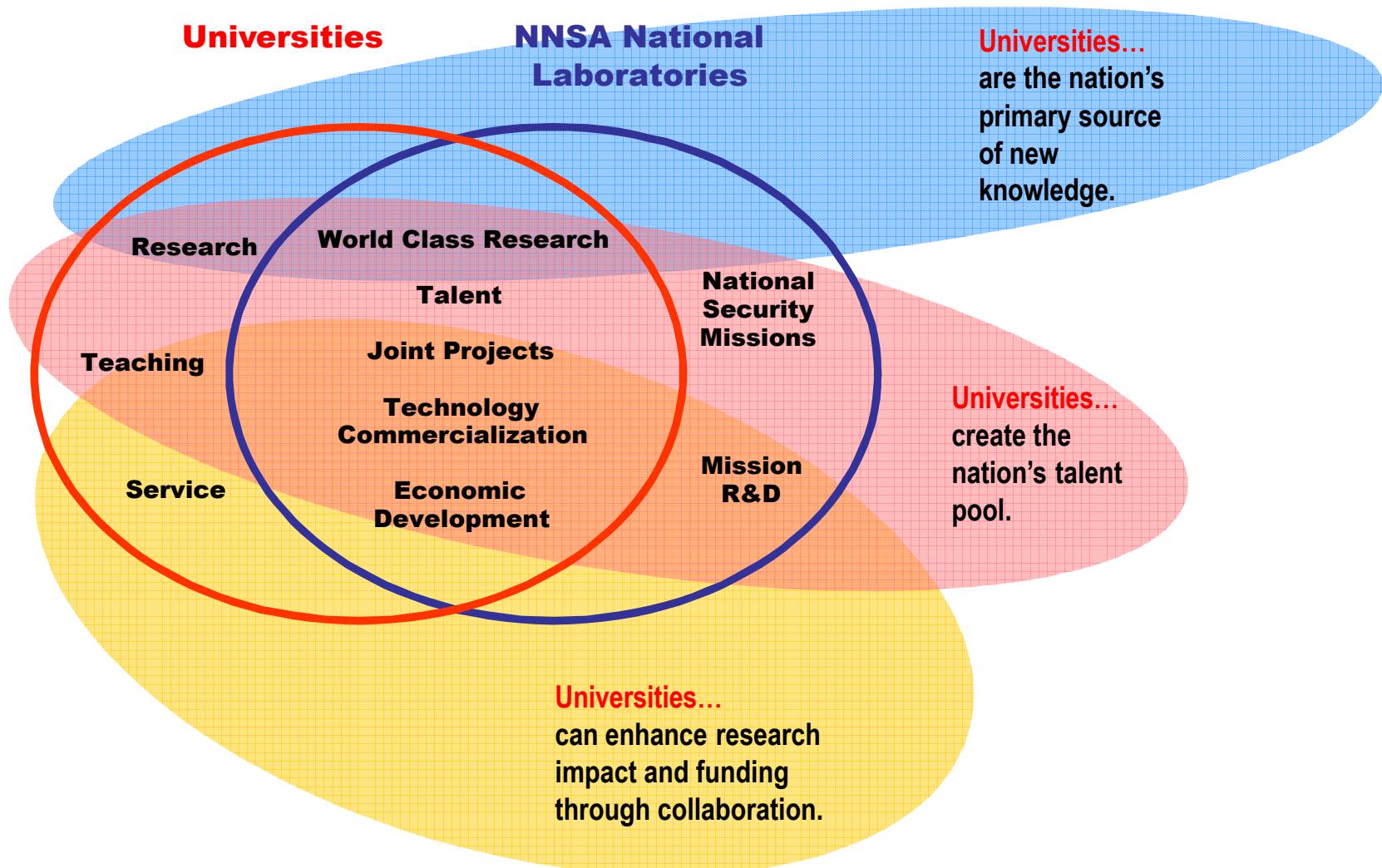
- Onsite workforce: 11,711
- Regular employees: 9,238
- Gross payroll: ~\$981M

Data for FY12 through end of September

Research & Development staff(4,682) by discipline



University Partnerships = World-class Science + Top Future Employees

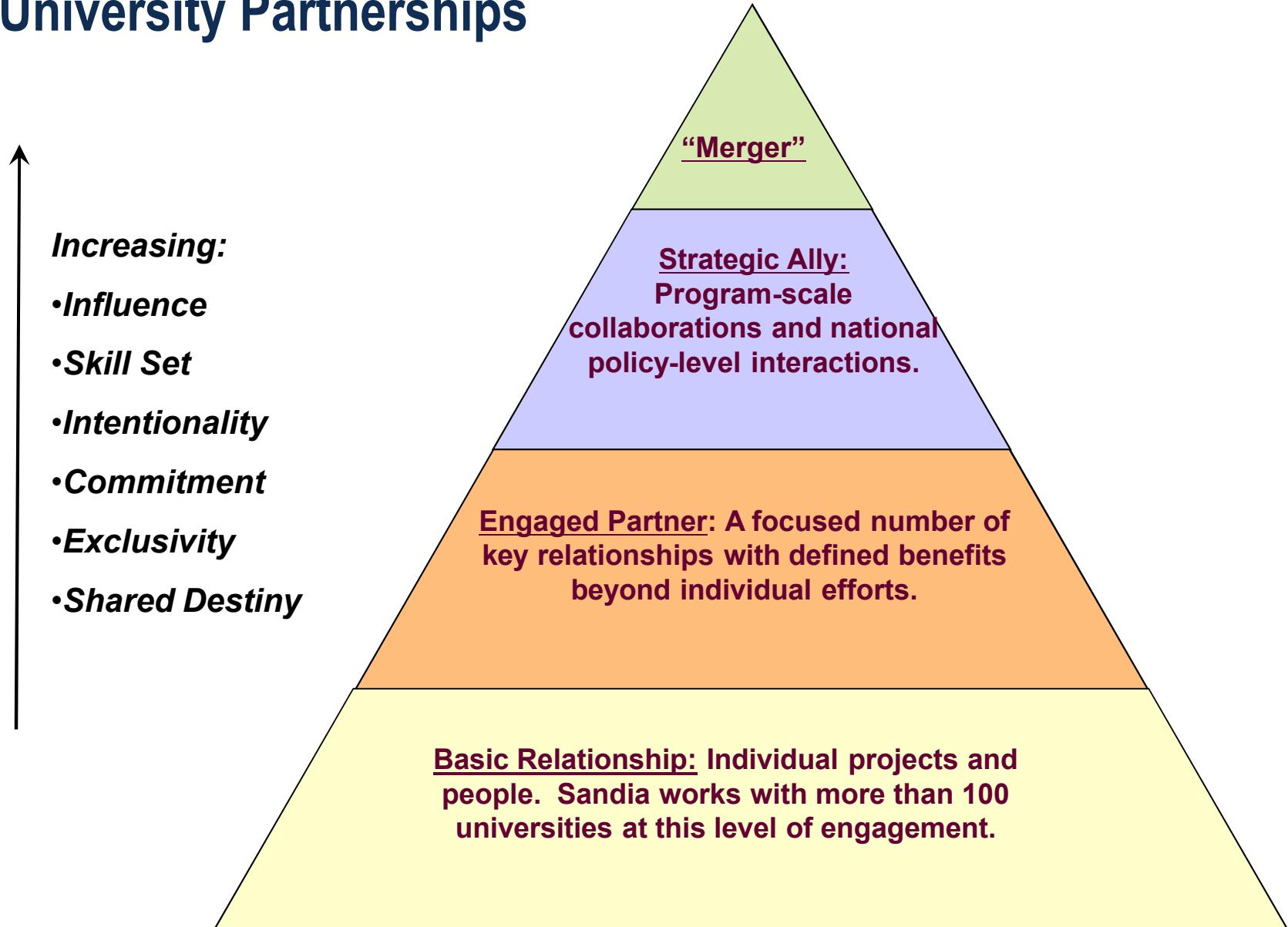


Partnerships are Built upon Interactions: Students & Faculty

- Graduate Fellowships
 - ~ 80 annually
- Internships & Co-ops
 - ~ 800 technical interns annually
 - Year-round (semester/quarter) or summer
 - Annual Symposium
 - Critical Skills Institutes
- Post Doctoral appointments
 - ~ 175 on roll
 - 1-3 year appointments
 - 3 Truman Fellows annually
- Collaborative research
 - ~ \$25M annually, with ~100 universities
 - Purdue ~ \$500-750K/year
 - Mission related
- Sabbaticals and summer research appointments
 - ~ 20 appointments annually
 - 4 weeks to full year



Basic Collaborations are the Foundation of our University Partnerships



Tips for Partnering

- Do some simple research before contacting the Labs:
 - Who's doing research in your field of interest?
 - Determine if others from your institution are collaborating with a particular Lab. Obtain leads from them.
- Start at the “basic relationship” level: PI to PI
- Convince the PI that they need your research expertise
 - Be able to demonstrate how you might fill a research gap
- Have realistic funding expectations
 - The Labs’ university partnership expenditures are less than 1% of the total budget
 - Many collaborations are unfunded or funded by a third party