

Stanford University, high technology and the regional economy

Stanford University's entrepreneurial spirit has helped spawn nearly 5,000 companies in high technology and other fields. Basic research at Stanford has made possible applications from microwaves to GPS, heart transplants to gene splicing, digital sound synthesis to modern web-search algorithms.

These companies, started by faculty or alumni, employ nearly 700,000 people:

- Atheros Communications (\$927 m) *
- Charles Schwab & Company (\$4 b)
- Cisco Systems (\$42 b) *
- Cypress Semiconductor (\$878 m)
- Dolby Laboratories (\$944 m)
- eBay (\$9 b)
- E*Trade (\$1 b)
- Electronic Arts (\$3 b)
- Gap (\$15 b)
- Google (\$29 b) *
- Hewlett-Packard Company (\$126 b) *
- IDEO
- Intuit (\$4 b) *
- Intuitive Surgical, Inc. (\$1 b)
- Kiva *
- LinkedIn (\$161 m)
- Logitech (\$2 b) *
- MathWorks (\$400 m)
- MIPS Technologies (\$85 m) *
- Nanosolar, Inc.
- Netflix (\$2 b)
- Nike (\$20 b) *
- NVIDIA (\$4 b)
- Odwalla
- Orbitz (\$750 m)
- Rambus (\$323 m) *
- Silicon Graphics (\$416 m) *
- Sun Microsystems (\$11 b) *
- SunPower Corp. (\$2 b) *
- Taiwan Semiconductor (\$14 b)
- Tensilica
- Tesla Motors (\$99 m)
- Varian (\$2 b) *
- VMware (\$3 b) *
- Yahoo! (\$6 b) *
- Zillow

() Annual revenues

* Technology or business plan developed at Stanford

Stanford Research

- More than 5,000 externally sponsored projects
- Total budget for sponsored projects is \$1.15 billion for 2010-11, including the SLAC National Accelerator Laboratory (83.5% federally sponsored)
- Nearly \$189 million from non-federal funding sources
- More than 1,800 postdoctoral scholars
- Stanford Research Park: 150 companies, 23,000 employees in electronics, software, biotechnology and other fields

Technology Transfer

- Office of Technology Licensing earned more than \$65 million in 2009-10 from 553 licensed Stanford technologies
- Concluded 90 new licenses and evaluated about 450 new invention disclosures in 2009
- Stanford licenses include: Google, optical fiber amplifier, genome sequencing, recombinant drug production, functional antibodies, DSL, identity-based encryption

Economic Impact (2006 Data)

- \$2.1 billion contributed to San Mateo and Santa Clara counties
- Largest employer (20,450) in Silicon Valley, including university and Stanford Hospitals

Stanford Students, Faculty

- Annual engineering graduates: 275 Ph.D.s; 1,000 MS degrees
- Annual graduates in the aggregate: 1,670 BA/BS; 2,000 MA/MS; 300 JD/MD; 700 Ph.D.
- Stanford faculty: 16 Nobel laureates, 4 Pulitzer Prize winners, 19 National Medal of Science recipients