



Office of International Science & Engineering (OISE)

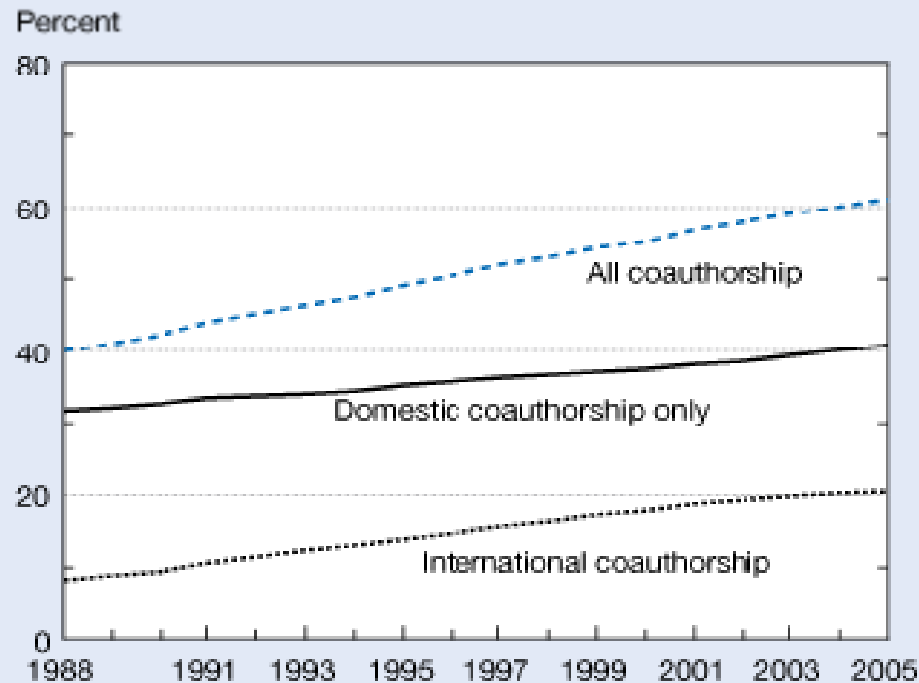
ERC 2009 Annual Meeting
Dec 3, 2009





**International activities are
supported across NSF**

Figure 5-30
Share of worldwide S&E articles coauthored
domestically and internationally: 1988–2005



NOTES: Article counts from set of journals covered by Science Citation Index (SCI) and Social Sciences Citation Index (SSCI). Articles classified by year they entered database, rather than year of publication, and assigned to region/country/economy on basis of institutional address(es) listed on article. Articles on whole-count basis, i.e., each collaborating institution or country credited one count. Internationally coauthored articles may also have multiple domestic coauthors.

SOURCES: Thomson Scientific, SCI and SSCI, <http://scientific.thomson.com/products/categories/citation/>; iPLQ, Inc.; and National Science Foundation, Division of Science Resources Statistics, special tabulations.

Science and Engineering Indicators 2008

Why International Collaboration?

Over 20% of the world's scientific and technical articles in 2005 had authors from two or more countries, compared with 8% in 1988



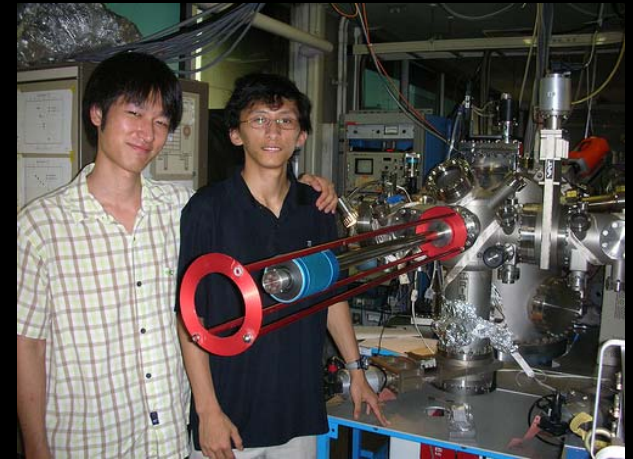
**“International cooperation
in science is not a luxury;
it is a necessity – and the
foundation for the future.”**

*Arden L. Bement, Jr.
NSF Director*



Objectives

- Develop a globally engaged U.S. workforce
- Advance U.S. research excellence through new collaborations
- Establish partnerships & international networks



Develop a Globally-Engaged Science & Engineering Workforce



NSF Goal - To give US students and junior researchers:

- International collaborative research training
- Research networks on which to build future collaborations

OISE Programs Focusing on Different Career Stages



- **International Research Experiences for Students (IRES)**
- **East Asia & Pacific Summer Institutes (EAPSI)**
- **Doctoral Dissertation Enhancement Projects (DDEP)**
- **International Research Fellowship Program (IRFP)**
- **Advanced Studies Institutes (ASI)**

Partnerships for International Research and Education (PIRE)

Program Objectives:

- Enhance research excellence via international partnership and collaboration.
- Promote the development of a diverse, globally engaged U.S. scientific and engineering workforce.
- Strengthen the capacity of U.S. institutions to engage in and benefit from international research and education collaborations.



OISE's webpage:

www.nsf.gov/oise

Questions:

**Ed Murdy
emurdy@nsf.gov**