First Fall Faculty Meeting
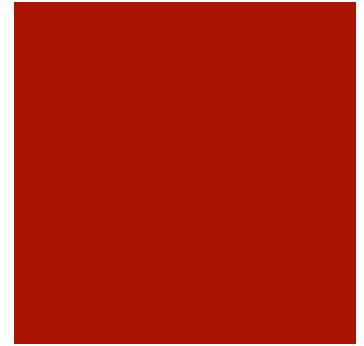
10/01/10

UMIACS

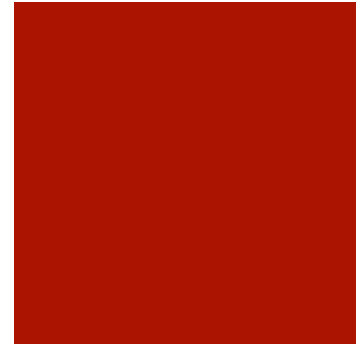# Happy 70th Birthday, Pete!

Mr. Perturbation by Henk van der Vorst

Welcome to New Faculty

- Hector Bravo
  - High throughput Genomics
  - Machine Learning

- Hal Daume
  - Machine Learning
  - Natural Language Processing
  - Computational Biology

- Mohammad HajiAghayi
  - Auction Design and Game Theory
  - Network Design
  - Algorithmic Graph Theory

- Sridhar Hannenhalli
  - Computational Biology
  - Gene Regulation and Molecular Evolution

Recent Technical Staff Changes

- Three have left:
  - Janet He
  - Mark Damrongsri
  - Mark Goh

- One hire:
  - Jennifer Hsu (Kobi)

NRC Rankings

- Raw Data: http://www.nap.edu/rdp/

- Interactive Tools at:
  - http://www.phds.org/
  - http://chronicle.com/

UMIACS Technical Operations

- Personnel
  - Director (Fritz McCall)
  - 8 full time Engineers
  - 3 full time lab managers
  - 12 part-time undergraduates

- 1000 user accounts

- 1200 supported computers

- 320 TB of managed data

- 2500 network ports with about 1600 active each day

- Well over 600 requests serviced each month

UMIACS Technical Operations

Highly heterogeneous and dynamic environment

- Linux, Windows, MacOSX, Solaris, FreeBSD
- Web hosting with static and dynamic content (Perl, Python, Ruby on Rails, Java, Drupal, MediaWiki, Redmine, …)
- Printing, Email, Shared file, VPN, backups, networking, …
- High performance Computing (distributed memory, GPUs, condor, …)
- Data Intensive Computing (NAS for multi-terabyte data, SAN, large-scale relational DB, Hadoop)
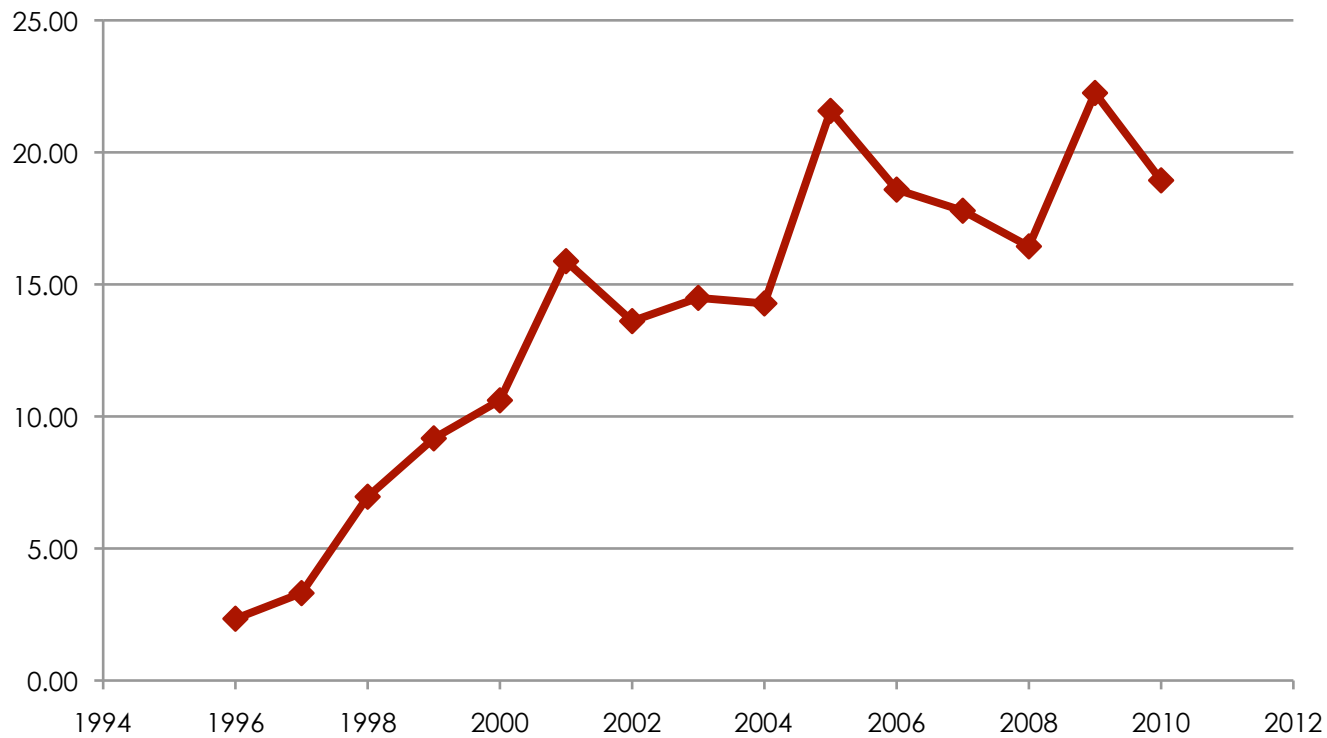
UMIACS Business Operations

- Personnel
  - Director (Johanna Weinstein)
  - 6 Full time Staff

- Grant Budgets

- Procurement

- Grant Expenses

- Payroll and Benefits

- APT / Visas
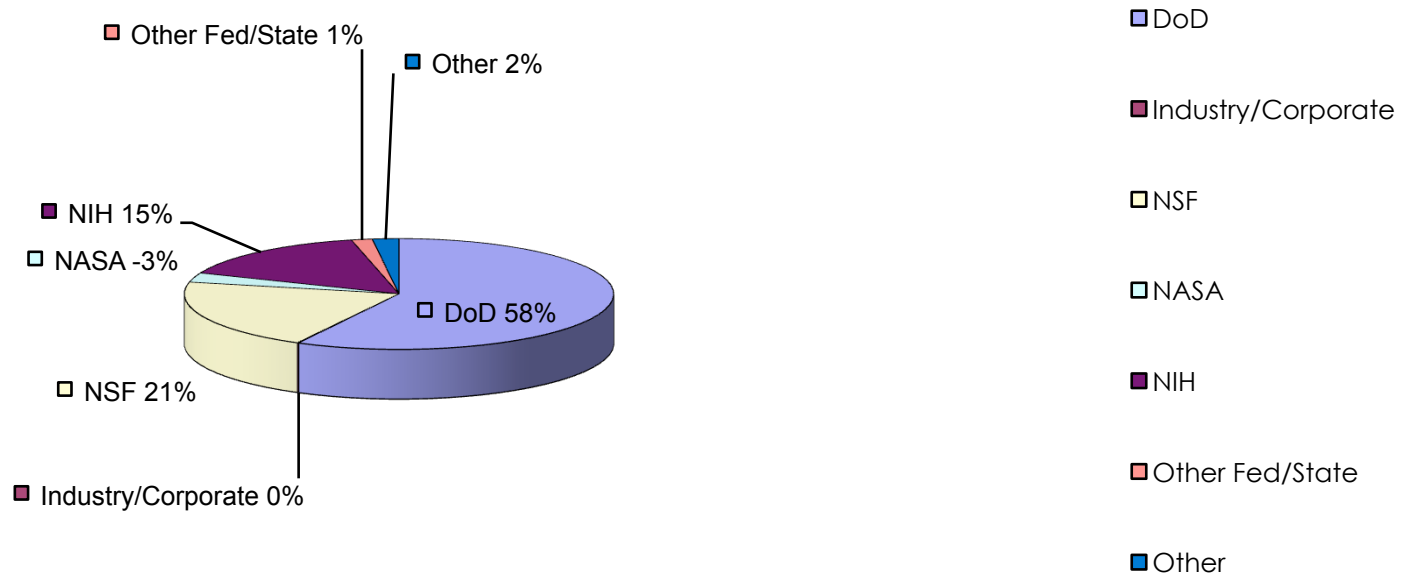
- Conference support

UMIACS Sponsored Research Funding

Research Funding (in millions $)

Sponsored Research Funding by Agency
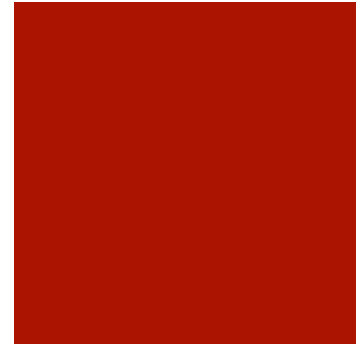
2010 Sponsored Research Funds $18,882,188

- Other Fed/State 1%
- Other 2%
- NIH 15%
- NASA -3%
- DoD 58%
- NSF 21%
- Industry/Corporate 0%

Legend:
- DoD
- Industry/Corporate
- NSF
- NASA
- NIH
- Other Fed/State
- Other

UMIACS Expenses

Categories	Amounts
State Budget	**$3,394,989**
Salaries	$3,394,989
Operating Budget	
Computer & Supplies	$69,000
Equipment	$105,000
Licenses, Software	$44,000
Maintenance	$160,000
Facilities, keys, parking	$17,000
Phones,FedEx	$70,000
Other	$30,000
Power	$57,930
Storage and network	$50,000
Total	**$602,930**

Storage Procurement

- Come up with the right model

- UMIACS as a market maker?

- Up-to-date Quotes

- Helping connect groups?

- Separate meeting in a few weeks
  - Please send me and Fritz (fmccall@umiacs) email if you are interested

UMIACS Web Site

- An RFQ is going out through UMD Procurement Office for a new website design

- Why go outside the department for procurement?
  - Graphic direction
  - Dedicated staff and quick turnaround
  - Resulting product will be integrated into content management system (CMS) that UMIACS staff can easily maintain
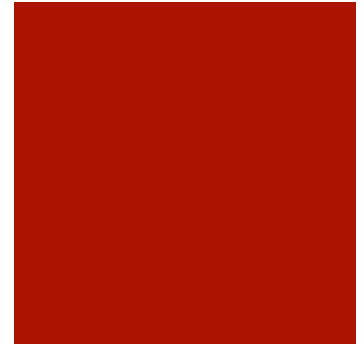
Features of new Web Site

- Key Activity Banners

- Small number of Web Templates

- Searchable publications/bibliography section

- Events section with an RSS feed

- Calendar as well as an .ics link for subscription

- Faculty bios

- Research and lab descriptions

- Standards-compliant and accessible

WiseSourcing

Walk-In Office Hours

- Mondays 12 – 1, AVW 2219

- Short things

Email link for News items …
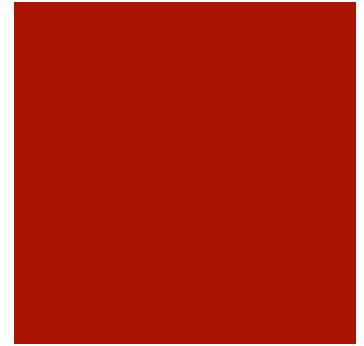
- Send news updates or upcoming events to:

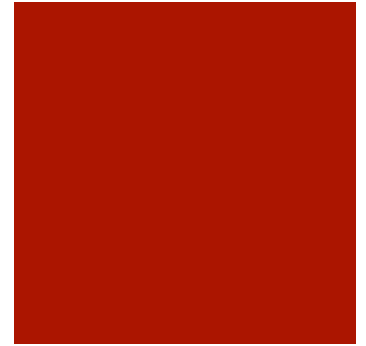 pubs@umiacs.umd.edu

  And they will be published to our current website.

Video Talks on Website

- 20-min Talks starting Nov 5

- Name?

Large Visible Projects

- Expeditions in Computing

- NSF / NIH Science/Tech/Engg Centers

- Seed Funding for New Research Directions

- Application driven, leverage existing expertise, new growth areas

Other Plans on the Horizon

- UMIACS Distinguished Seminar Series

- Application Driven Workshops

- Planning for January Retreat

WiseSourcing

- Renovations
  - AVW 2120
  - Projector/Screen
  - Layout ....

Next UMIACS Meeting

- Friday, Nov 5, 12:00 noon