

Microsoft® Research

Faculty Summit

10
YEAR ANNIVERSARY

Microsoft Research Faculty Fellows

2005 - 2009 and beyond...



Tom McMail
Sr. Research Program Manager
Microsoft External Research

***Making a difference in the
innovation pipeline through
investments in global talent***

Engaging through Fellowships

Programs Sponsored by Microsoft Research



- “New Faculty Fellowships” 2005-2009
 - Investment in developing talent critical to computational disciplines
 - Long-term, collaborative relationships with tomorrow’s leaders
 - Grants for investigators to build teams, engage in riskier research
 - Original Scope: North America
- “Microsoft Research Faculty Fellowships” 2010 and beyond...
 - Note: new name, broader geographical reach
 - Building on success of previous program

Five years,
25 fellows,
many
research
areas...

Microsoft Research New Faculty Fellows			
2009	Rafael Pass	cryptography	Cornell
	Luis Ceze	system architecture	University of Washington
	Gill Bejerano	bioinformatics, genomics	Stanford
	Nicole Immorlica	theory, economics, social computing	Northwestern
	Svetlana Lazebnik	computer vision	University of North Carolina - Chapel Hill
2008	Kristen Grauman	visualization and search	University of Texas - Austin
	Susan Hohenberger	cryptography	Johns Hopkins
	Robert Kleinberg	algorithms, learning, game theory	Cornell
	Philip Levis	software, wireless networking	Stanford
	Russell Tedrake	machine learning, robotics	Massachusetts Institute of Technology
2007	Magdalena Balazinska	databases, distributed systems	University of Washington
	Josh Bongard	evolutionary robotics, ai	University of Vermont
	Yixin Chen	nonlinear optimization, ai, data mining	Washington University - St Louis
	Adam Siepel	computational biology, genomics	Cornell
	Luis von Ahn	human computing	Carnegie Mellon
2006	Regina Barzilay	computational linguistics	Massachusetts Institute of Technology
	Aaron Hertzmann	animation modeling, biomechanics	University of Toronto
	Scott Klemmer	human computer interaction, design	Stanford
	Eddie Kohler	programming environments	University of California - Los Angeles
	Fei-Fei Li	computer vision	Princeton
2005	Frédo Durand	image synthesis, physics, visual perception	Massachusetts Institute of Technology
	Subhash Khot	theory, complexity	New York University
	Dan Klein	machine learning of natural language	University of California - Berkeley
	Radhika Nagpal	embedded networks, swarm robotics	Harvard
	Wei Wang	data mining, molecular biology	University of North Carolina - Chapel Hill

9 fellows
from the
past 4 years
are here to
share their
experiences
with us

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Program Highlights

- Rigorous selection process
 - Each institution nominates *only one* top candidate
 - Reviewed by top researchers and academic thought leaders
 - Multiple rounds of intense evaluation
 - Results in fellowship awards that are considered quite prestigious
- Winners
 - 5 each year in North America; more next year (wider scope)
 - Receive grant monies enabling acceleration of their research
 - Develop strong collaborative relationships with Microsoft researchers
 - Access to Microsoft tools and technologies
 - Can nominate their graduate assistants for internships

Meet the 2009 Microsoft Research New Faculty Fellows...

Microsoft
Research



Rafael Pass
Cornell University

Cryptography



Svetlana Lazebnik
*University of North Carolina,
Chapel Hill*

Graphics, Visualization,
Computer Vision



Luis Ceze
University of Washington

Systems Architecture



Nicole Immorlica
Northwestern University

Theory, Economics,
Social Computing



Gill Bejerano
Stanford University

Bioinformatics,
Genomics

2010 Program: Scope and Changes

- New name: “Microsoft Research Faculty Fellowships”
 - Previously “New Faculty Fellowships” 2005-2009
 - Due to successes, broadening beyond North America in 2010
 - Adding one fellow each from two other regions
 - Europe, Middle East, Africa (EMEA)
 - Latin America (LATAM)
- 2010 Fellowship Selection Process
 - Sep–Oct 2009: each institution submits *one nominee*
 - Applications vetted through 3 rounds of reviews
 - Winners announced in April 2010
 - Program information: <http://research.microsoft.com/en-us/collaboration/awards/nff.aspx>



Next...

- Fellows' stories, in their own words...
- Some details from the most recent three years:
 - 2009 – Gill Bejerano, Stanford
 - 2008 – Robert Kleinberg, Cornell
 - 2007 – Magdalena Balazinska, University of Washington
- Panel discussion – all nine fellows

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