Welcome to cs@umd!

Samir Khuller
Past Chairs

- Jack Minker (1974-1979)
- Raymond Yeh (1979-1981)
- Vic Basili (1982-1988)
- Satish Tripathi (1988-1996)
- Larry Davis (1999-2012)
Computing on Campus

1962: Creation of the Computer Science Center

1973: UMD CS Department created

1985: UMIACS created

2013: CS@UMD today
Future of Computing
CS Faculty

- Highly accomplished faculty (awards)
- Field in constant flux, new courses being developed
- Extremely well funded research
Alumni & Students

• 1973-2013, cs@umd graduated
  – 630+ Ph.D.’s
  – 1000+ Masters students
  – 7000+ undergraduates

• Today
  – 1400 undergraduate majors
  – 230 graduate students

• Major Awards – just this week a major Hackathon event won by the Terps!
• ACM Programming Contest (World Finals)
• Best paper awards by students
• Over 200 startups
Announcements

• Center for Women in Computing (CS/UMIACS)
  – Jan Plane

• CS Education for Tomorrow
  – Adam Porter & Ben Bederson

• Research Centers in UMIACS
  -- Amitabh Varshney
Andrew Reisse Memorial Scholarship
(BS 2001)

http://www.reisse.net/
CS&UMIACS Corporate Partners
Looking ahead
Some of the Extraordinary Women in Computing

- In the past 7 years, 3 Turing Award winners
  - **Shafi Goldwasser** was recognized for transformative work on the foundations of cryptography
  - **Barbara Liskov's** work on programming languages and systems design was fundamental
  - **Fran Allen** laid the foundation for compilers that optimize and parallelize programs automatically

- Examples of Leaders in major technology companies
  - **Marissa Mayer** at Yahoo!
  - **Sheryl Sandberg** at Facebook

- And many others…
Trends for Women in Computing

In the US, 79% decline in the number of first-year undergraduate women interested in majoring in CS from 2000 to 2011

WOMEN'S QUIT RATES IN SCIENCE, ENGINEERING AND TECHNOLOGY, 2008

<table>
<thead>
<tr>
<th>Field</th>
<th>Women who quit</th>
<th>Women who stayed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>47%</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>39%</td>
<td></td>
</tr>
<tr>
<td>Technology</td>
<td>56%</td>
<td></td>
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</tbody>
</table>

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ncwit.org/scorecard
Maryland Center for Women in Computing
Thanks!