# National Science Foundation Funding Trends 

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## Trends in Engineering and Mathematical Sciences

- The following slides show various funding trends within NSF in engineering, computer sciences and mathematical sciences
- Educational grants are not included in the graphical data
- Slide descriptions precede each graph


## Graph Set 1: Overall Research Grants 1996-2005

Notes

- Women submit a fraction of the number of the proposals, typically between 20-25\% of total research proposals submitted
- Total number of research proposals submitted has steadily increased
- Overall funding rate has gradually decreased in recent years
- Percentage overall funding rate for men and women is approximately the same






## Graph Set 2: DMS Research Grants 1996-2005

Notes

- Percentage funding rate for women has been higher than men during most years
- DMS funding rates run between 25-30\%
- Women submit a fraction of the number of the proposals, typically between 10-15\% of research proposals submitted to DMS
- Total number of research proposals submitted has steadily increased, but leveled off in 2005


NSF Funding Rate Demographics: from 1996 to 2005 in DMS, Category - Research Grants



## Graph Set 3: ENG Research Grants 1996-2005

Notes

- Percentage funding rate for women has been higher than men during most years
- ENG funding rates currently run between 10-15\%
- Women submit a fraction of the number of the proposals, typically between 10-15\% of research proposals submitted to ENG
- Total number of research proposals submitted has steadily increased

NSF Funding Rate Demographics: from 1996 to 2005 in ENG, Category - Research Grants




## Graph Set 4: CISE Research Grants 1996-2005

Notes

- Percentage funding rate for women has been higher than men during most years
- CISE funding rates have decreased through 2004 and were between 15-20\% in 2005
- Women submit a fraction of the number of the proposals, typically between $\mathbf{1 5 - 2 0 \%}$ of research proposals submitted to CISE
- Total number of research proposals submitted has steadily increased through 2004, but dropped off in 2005






## Discussion Questions

- Why are so few women submitting proposals?
- Percentage of women as research faculty still relatively low. Why?
- Does the low participation of women in research affect students and younger generations of researchers? How?
- How can this be changed? What can or should the community do to help?
- What can the community (IEEE, AMS, SIAM, universities, departments, etc.) do to help?
- How is NSF trying to address the issue?

