INTEGRATING RESEARCH, EDUCATION, DIVERSITY, AND ENGAGEMENT

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Challenges and Opportunities

- Diversity
  - Still sucks after all these years; including retaining women
- Growth of online instruction
- Poorly prepared students in the pipeline
- Budgets: doing more with less
- Conveying the breadth of the discipline
  - Educating the pipeline; better informing student of realities of our fields
- Science in the spotlight
  - Facts verses ideology; uncertainty is not “not knowing.”
- Repaving the two-way street
- Accreditation
NCAR/UCAR Role

- Expanding SOARS; soars for high schoolers
  - Reaching a younger audience, introduce career opportunities and the technical nature of the disciplines

- Repaving the two-way street
  - NCAR > Universities
    - Flexible-length visits
    - Supplemental virtual visits
    - Incentives and recognition for education for NCAR scientists and engineers

- Courses leveraging NCAR expertise
  - Instruments, measurement, observing systems, and data analysis, computational science.

- Educational Access to NCAR Resources
  - NSF deployment pool
  - Access to virtual machines