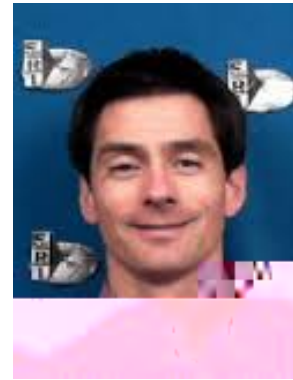
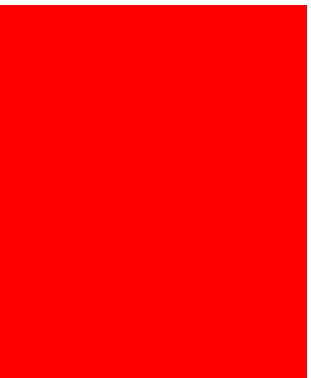
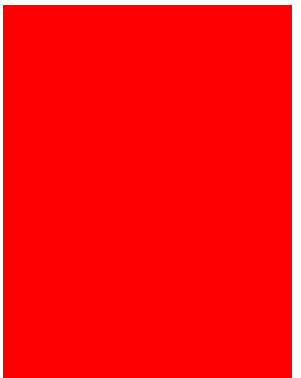
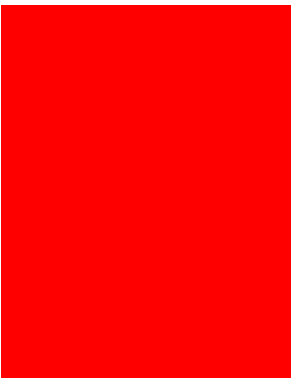
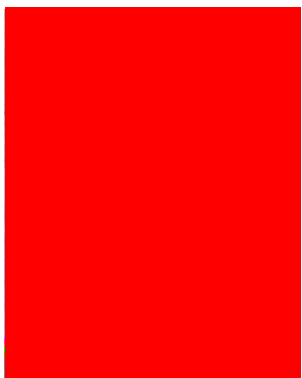
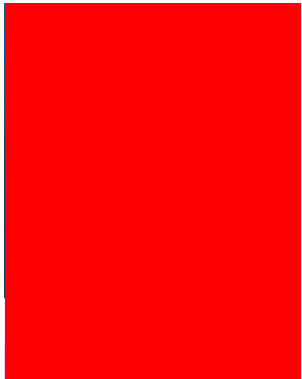
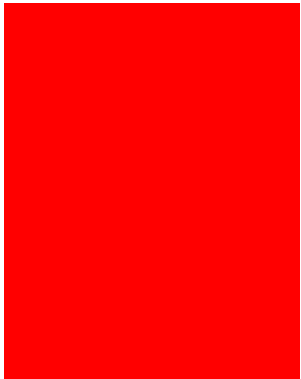
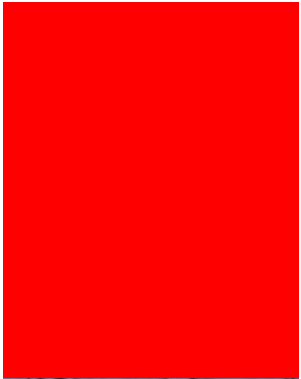
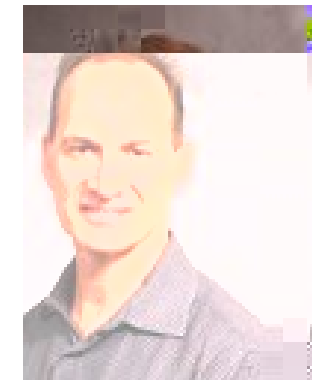
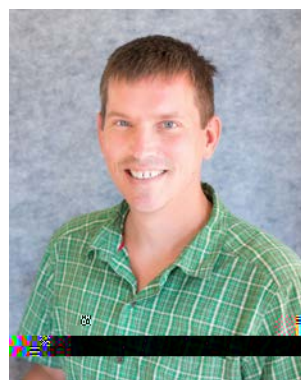
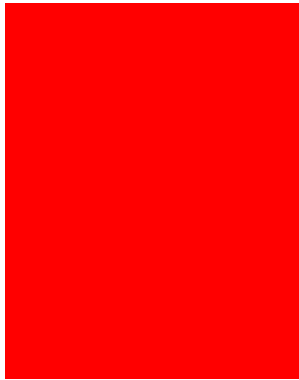


Geophysics Faculty in January 2015





Geophysics Faculty as of Fall 2017



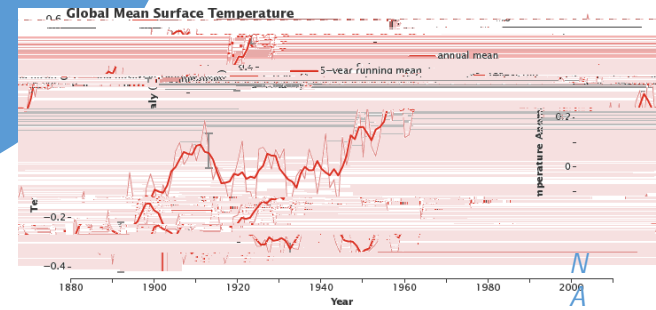
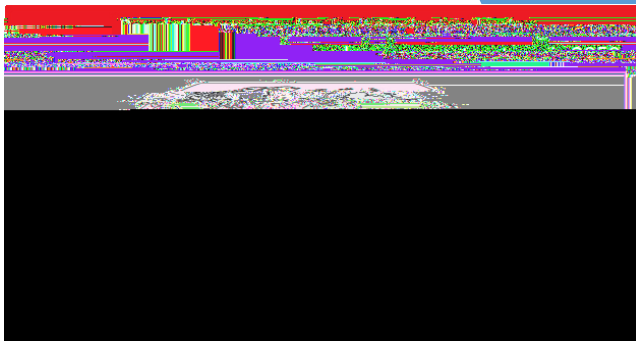
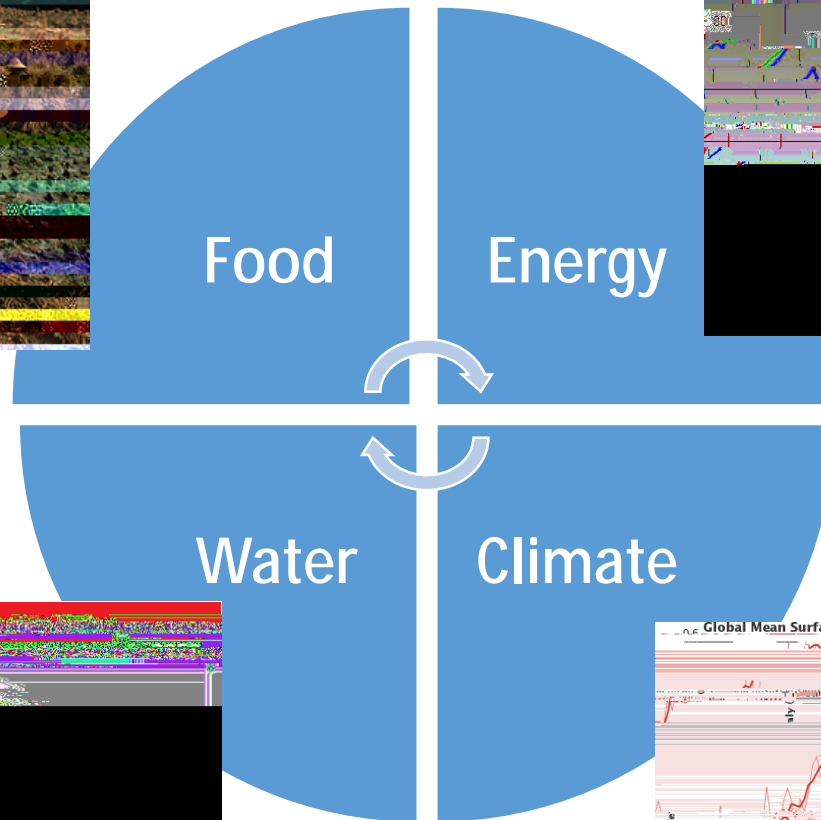
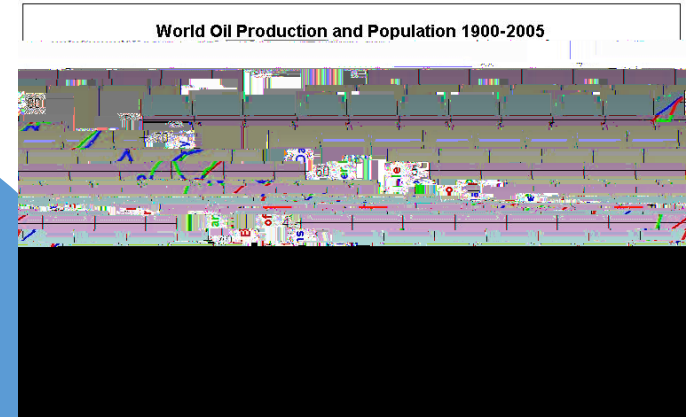
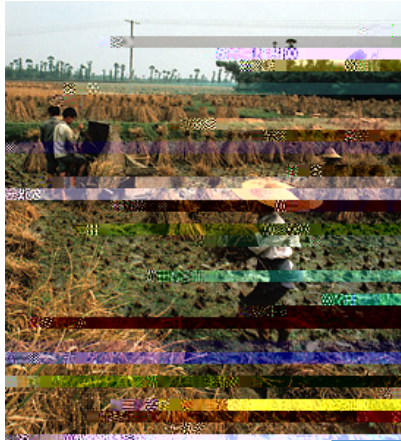
Geophysics for the 21st Century

John H Bradford

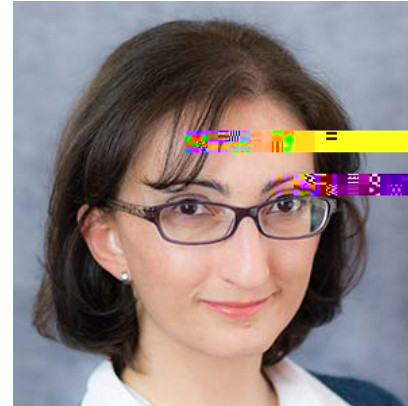
Professor and Department Head

Department of Geophysics

Defining Issues of the 21st Century



The reimagine geophysics committee



The future of geophysics: Technology

- Identify trends in the profession
 - Trend toward high performance computing and machine learning
 - Robotics and distributed

The future of geophysics: Work environment

-



Redesign curriculum around major trends and challenges

- Emphasize computation, machine learning, data analytics
- Integrate remote sensing, robotics, distributed sensing
- Focus on social contribution, communication, and teamwork
- Increase flexibility in skillset
- Revise and enhance suite of MS tracks

