

Physics Education Research studies:

• student learning and engagement

• pedagogical and curricular impacts

• **critical thinking and reasoning** skills

• diversity and inclusivity in physics

• faculty practice and decision making

• departmental culture and climate

national landscape surrounding physics

ADAPTING TO A CHANGING WORLD—

CHALLENGES AND OPPORTUNITIES IN
UNDERGRADUATE PHYSICS EDUCATION

NATIONAL RESEARCH COUNCIL
OF THE NATIONAL ACADEMIES

Theory, Experiment, and Applied

Physics Education Research studies:

- student learning and engagement
- pedagogical and curricular impacts
- recruitment and retention of students
- diversity and inclusivity in physics
- faculty practice and decision making
- departmental culture and climate
- national landscapes surrounding physics

Theory, Experiment, and Applied



Physics Education Research in the US & MX

A map of the United States and Mexico showing the locations of Physics Education Research. Red pins are placed across the country, with a higher concentration in the Northeast and Midwest. A callout box labeled 'MSU' with a green arrow points to a pin in Michigan. The map includes state and city names, and the Gulf of California and Gulf of Mexico are labeled.