

# Diverse Implementations of PreK-12 Engineering Education

## Panelists

*Christine Cunningham, Engineering is Elementary*

*Bryan Kind, Project Lead The Way*

*Bernie Zubrowski, Educational Development Center*

## Moderators

*Brian Reiser, Northwest University*

*David Crismond, City College of New York*

# Diverse Implementation Panel

*The panel will introduce three distinct K-12 engineering curricula (Engineering is Elementary; Project Lead The Way; World in Motion) as contexts to consider diverse approaches to teaching about engineering, and the implications these variations may have for the education and preparation of educators.*

- **Task:** What is a *concrete example* of an engineering task from your program that illustrates your pedagogical approaches?
- **Goals:** What are the main learning goals in your program and where is the emphasis in those learning goals?
- **Needs of educators:** What disciplinary knowledge, STEM practices, and pedagogical content knowledge does an educator need to know and be able to use to be successful? What are the main challenges posed by educators' current backgrounds, classroom realities, or other constraints?