

Frontiers in Education 2016

Erie, PA

October 12-15, 2016

The Crossroads of Engineering
and Business



Erie, Pennsylvania



- Easy drive from Buffalo, Cleveland, Pittsburgh, Toronto



Erie, Pennsylvania

- Easy drive from Buffalo, Cleveland, Pittsburgh, Toronto

- Direct flights through Detroit, Chicago, Philadelphia



Theme:

The Crossroads of Engineering and Business



Gannon University
Penn State Behrend



Cool Things at FIE'16

- **Technical Program**
 - Applicable and ground-breaking research
- **Keynote Speakers**
 - GE Transportation Systems
 - KEEN Program
- **K-12 Co-Located Event**
 - ASEE K-12 Co-sponsored
 - Regional K-12 educators
- **Faculty Development**
 - Scholarship of Teaching & Learning
 - Arnold Pears, Uppsala
 - Process Education
 - Dan Apple, Pacific Crest
- **Awards**
 - IEEE-Ed Society
 - FIE



Intersection of Engineering and Business Skills



Keynote Speaker:

Edward J. Hall, Ph.D.

**Senior General Manager,
Engine Technologies**

GE Transportation, Erie, PA



Instilling the Entrepreneurial Mindset in Engineering Undergraduates



Keynote Speaker:

Douglas Melton, Ph.D.

Program Director, Kern
Entrepreneurship Education
Network (KEEN) Program

KEEN
ENGINEERING UNLEASHED



The 'E' in STEM Workshops

NEW special K-12 workshop track

FIE'16-ASEE K-12 Division Co-Sponsored Event

Saturday October 15, 2016

- Follows ASEE K-12 formats
- Presented to regional K-12 educators
- Opportunity for full paper



Scholarship of Teaching and Learning in Engineering:

Principles and Practice Workshop

IEEE-CS Professional Development Workshop

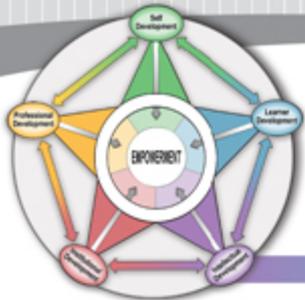
- Higher education research literature
- Systematic investigation of learning phenomena
- Application to their own teaching
- Beginning research studies in their teaching



Process Education™ Workshop

Dan Apple, Ph.D.

- Educational philosophy
- Help learners develop broad, transferable learning skills
- Empower students to continually improve their ability to learn and grow



Pacific Crest



Venue – Erie Bayfront



Thursday Reception: Sponsored by GE Transportation



Call for Papers

- Abstracts: February 4th
- 1st Reviews: March 14th
- Full Papers: April 25th
- 2nd Reviews: May 20th
- Final Draft: July 8th

Fie2016.org

Fie-conference.org



PennState
Behrend



GANNON
UNIVERSITY

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Oct. 12-15, 2016
Bayfront Convention
Center, Erie, PA

