

# Community and Service Learning

*Sponsored by South Carolina Coalition of  
Mathematics and Science – Dr. Tom Peters*

Ron Welch, The Citadel, Dean of Engineering

Jennifer Ogle, Clemson University, Civil Engineering Faculty  
Director of Engineers for Developing Countries

Moshe Kam, New Jersey Institution of Technology,  
Dean of Engineering; IEEE / EPICS-in-IEEE

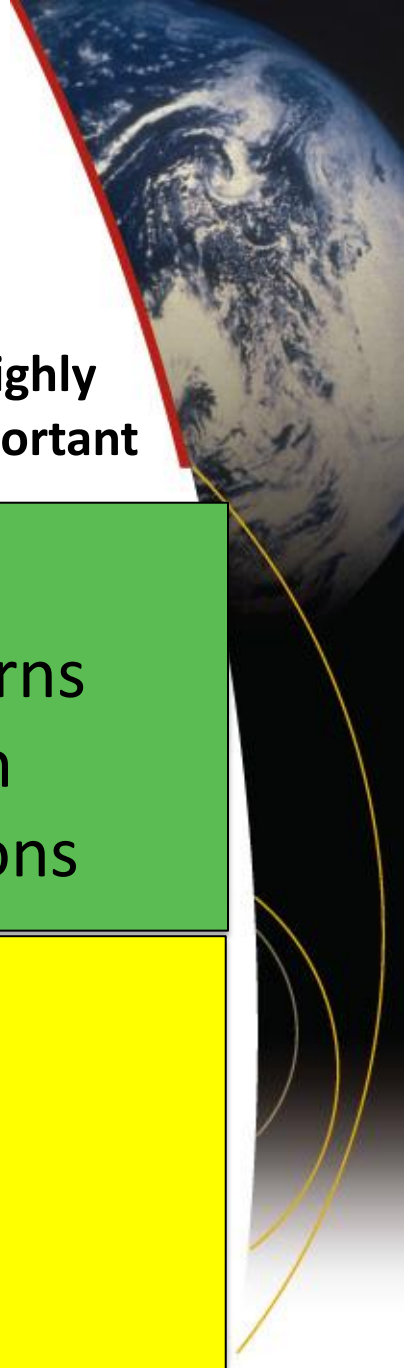
Bill Oakes, Purdue, Engineering Education,  
Director of EPICS

April 14, 2015

# Engineering Education Practice - 2011

Survey responses from 110 eng'g depts at 72 universities (46% rate)  
ASEE report *Innovation with Impact*, 2012

	Not important	Somewhat important	Important	Highly important
Leaders in this	[Red Box]	[Red Box]	[Green Box]	
Practice routinely			Labs Co-op/interns Research Competitions	
Practice somewhat	[Orange Box]		[Yellow Box]	
Do not practice	Int'l programs Entrepreneurship Service-learning		[Yellow Box]	



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Leaders in this

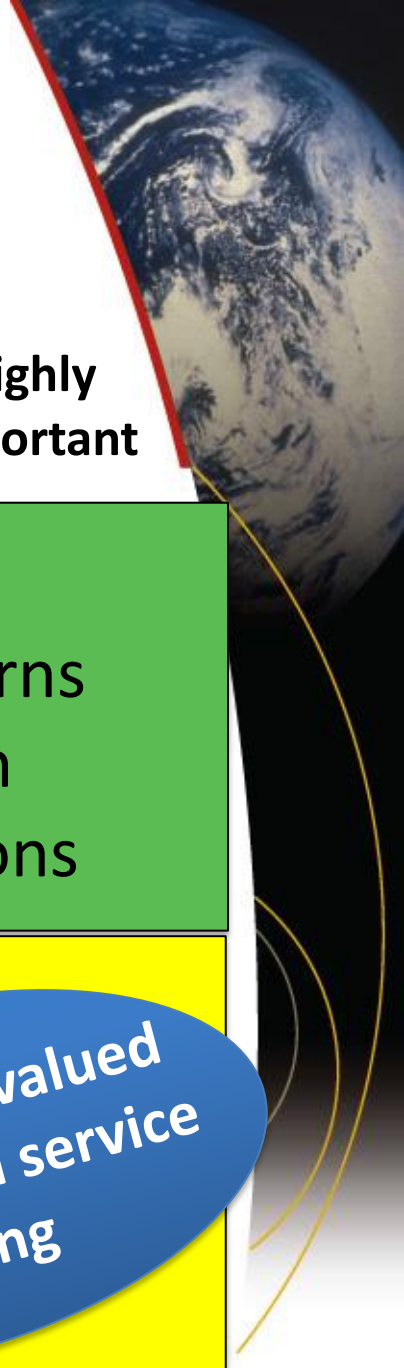
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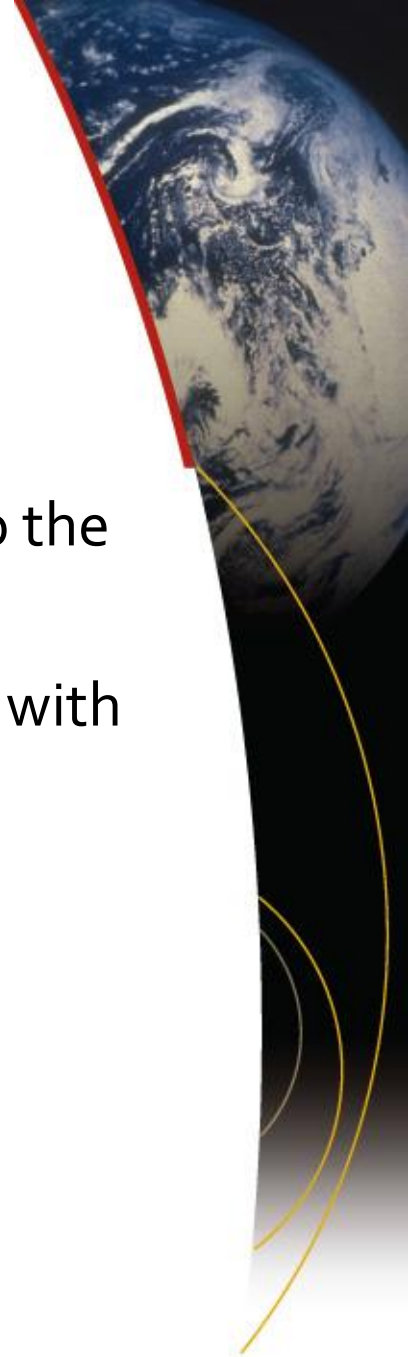
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# Grand Challenge Scholars - 2015

- 122 Deans of Engineering signed the Letter of Commitment presented to President Obama in March
- 5 components
  1. Hands-on research or design project connected to the Grand Challenges;
  2. Real-world, interdisciplinary experiential learning with clients and mentors;
  3. entrepreneurship and innovation experience;
  4. global and cross-cultural perspectives; and
  5. **service-learning**



## Four presentations:

Ron Welch, The Citadel, Dean of Engineering

Jennifer Ogle, Clemson University  
Associate Professor of Civil Engineering  
Faculty Director of Engineers for Developing Countries

Moshe Kam, New Jersey Institution of Technology,  
Dean of Engineering; IEEE / EPICS-in-IEEE

Bill Oakes, Purdue, Professor of Engineering Education  
Director of EPICS

Breakout discussions: why, what, how?