

## 7<sup>th</sup> Annual INCOSE Great Lakes Regional Conference

# Leadership Through Systems Engineering

Aerospace | Commercial | Defense | Health Care | Manufacturing | Academia

**Panel Title:**

"Systems Engineering Education – Needs, Challenges, and Opportunities"

**Panelists:**

Bill Schindel, ICTT System Sciences, Moderator

Dr. Ashley Bernal, Rose-Hulman Institute of Technology

Dr. Donald Gelosh, Worcester Polytechnic Institute

Troy Peterson, Booz Allen Hamilton

Dr. Rudy Smaling, Cummins, Inc.

Dr. Steven Walter, Indiana University - Purdue University Ft. Wayne

**Abstract:**

"INCOSE strongly believes that:

- A 'systems perspective' and the fundamental principles of systems engineering have an important role in the education of all engineers regardless of their specialty. This will strengthen the general recognition that most of today's engineering tasks are performed in multi-disciplinary teams, and
- Degree granting programs in systems engineering must be encouraged and supported.

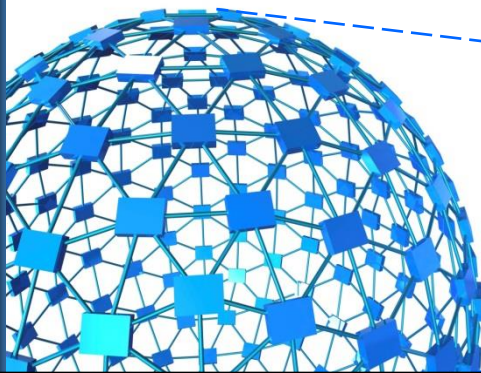
INCOSE believes that the choice of the best suited approach to systems engineering education rests with the academic institutions. The latter, in dialogue with industry and other systems engineering employers are best suited to determine what programs meet the needs of their constituency."

[From INCOSE Statement on Systems Engineering Education <http://www.incose.org/educationcareers/educationpolicy.aspx> ]

This panel discussion includes academic, industry, and student points of view on SE graduate and undergraduate education, as well as non-SE engineering education, in each case rooted in the panelists' personal experiences.

Objectives of this panel:

1. Improve mutual understanding of the related opportunities and challenges—make this a learning experience in itself!
2. Encourage follow- up interactions that have real impact for our regional systems community education.



GLRC 2013: *Leadership  
Through Systems Engineering*

