



International Council on Systems Engineering - Delaware Valley Chapter Meeting
(Non-members welcome to attend)

INCOSE Invited to IEEE Philadelphia Section Meeting

Speaker 1: Daniel Harpstead, P.E., Engineers Without Borders – USA: Why you should be participating.

Speaker 2: Walt Sobkiw, Sustainable Development Possible with Creative System Engineering.

For abstracts and authors biographical summary, see below and see:

<http://www.associationsites.com/calendar.cfm?usr=IEEEPhila> scroll to Nov 17, 2009

Meeting Date: **Tuesday, November 17, 2009**

Cost: \$15 for the dinner (students \$10)
There is no cost to attend the meeting ONLY

Agenda: 6pm – Dinner; 7pm – Speakers

Location: Sheraton University City, 36th & Chestnut Street, Philadelphia, PA.
Indoor parking is available Sheraton University City parking garage and will be paid by the section. Bring your parking ticket to be stamped.

Reservations Needed: Click <https://secure.codewriters.com/eventreg/form2.cfm?id=2237> or if you must pay at the door contact Walt.Sobkiw@L-3com.com by November 16.

The meeting will be held at the normal IEEE venue in Philadelphia at the Sheraton University City, 36th & Chestnut Street.

For further information about the IEEE Philadelphia Section, 4520 City Line Ave., Suite 301 Philadelphia, PA 19131, Tel: 215-879-1559; Fax: 215-477-1109, sec.philadelphia@ieee.org www.ieeephiladelphia.org

For further information about the International Council on Systems Engineering please visit the INCOSE website at <http://www.incose.org/> and the Delaware Valley Chapter website at <http://www.incose.org/delvalley/>

Engineers Without Borders – USA: Why you should be participating

Abstract: Engineers Without Borders - USA (EWB-USA) is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. This partnership involves the implementation of sustainable engineering



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projects, while involving and training internationally responsible engineers and engineering students.

Biography: Dan Harpstead's initial interest in global development began when he was a young man growing up in Colombia. He learned to speak Spanish in grade school and has enjoyed a life filled with foreign travel opportunities including visits to many countries in the developing world. As a Principal and Technical Discipline Lead for Engineering with Kleinfelder, Daniel L. Harpstead, PE, has more than 32 years experience as a geotechnical engineer with major focus on challenged sites involving urban fill and environmental remediation. Mr. Harpstead's expertise includes site assessments, remedial investigations, soil and groundwater sampling, design of remedial alternatives, shallow and deep foundations, retaining structures and geosynthetics. Mr. Harpstead received a BS from Michigan State University in civil engineering and a MS in geotechnical engineering at Purdue University. Mr. Harpstead's professional affiliations include the ASCE GeoInstitute, ASFE/The Best People on Earth (President 2005/2006), Urban Land Institute, ASCE, ACEC and the Purdue Geotechnical Society. Dan recently served on an environmental advisory committee to Congressman James Gerlach and he is a registered engineer in 11 states. Dan is a member of the Board of Governors for Engineers Without Borders-USA and is currently the Treasurer of the national organization.

Sustainable Development Possible with Creative System Engineering

Abstract: In 2005 Walt created a tool to help users write engineering specification text. At the time he did not know that this tool would motivate him to write a book that proposes using system engineering to address some of our most significant challenges today (e.g. energy, U.S. health care, etc). Walt will present how he came to write this book, the approach he used for publishing, and describe how the book led him into working with university students. He will also discuss some of the book's major themes and highlight the original tools that led to this work.

Biography: Walt Sobkiw received a BSEE from Drexel University in 1979. He has held various government, defense, and commercial positions at the FAA, Hughes Aircraft, E-Systems, Contraves-USA, Nielsen Media Research, MITRE and L-3 Communications. He has published and presented at several technical conferences on subjects of system engineering, computer architectures, software, process, and engineering. Starting from New Jersey, going to California, then Florida, and returning back to New Jersey, Walt has a very broad and deep understanding of the state of engineering and technology in the United States. He has taken this experience and digested it into his book, Sustainable Development Possible with Creative System Engineering, in hopes of providing an effective road map for people engaged in building everything in the next 100 years.