



"Principles of Sustainability for IH and EHS Professionals"

The Chicago Local Section of the American Industrial Hygiene Association would like to invite you to a half-day PDC on Principles of Sustainability for IH and EHS Professionals. The topics:

- Greenhouse gas (GHG) emissions work under EPA Clean Power Plan, Kyoto Protocols Clean Development Mechanism, and other regulatory drivers;
- Examples of recently completed buildings that contribute to the health of their occupants and have minimum impact on the environment;
- The worldwide impact of something used every day (a phone accessory)

Date | Thursday, March 29, 2018

Location | O'Hare Plaza - Building Conference Room, 8745 W. Higgins Rd., Chicago, IL 60631

Schedule

07:30 – 07:55 .. Registration & Continental Breakfast

08:00 – 09:00 .. Session 1: "Sustainable Mitigation of Greenhouse Gas Emissions"

09:00 – 09:15 .. BREAK

09:15 – 10:15 .. Session 2: "Reimagining Housing in the City: Affordable Can Be Green and Sustainable"

10:15 – 10:30 .. BREAK

10:30 – 12:00 .. Session 3: "No Easy Answers: The Complexity of Sustainability"

Instructors

Session 1: Charles R. Stack, MPH, BCES | NeoChloris, Inc.

Session 2: Jeff Bone, FAIA | Landon Bone Baker Architects

Session 3: Theodore J. Hogan, PhD, CIH | Northern Illinois University

Cost

Students..... \$30

Full Members .. \$75

Affiliate Members & Guests \$85



Mr. Charles R. Stack is VP of NeoChloris Inc., since 2000. NeoChloris is a startup company that develops and patents technologies for

water and air pollution control, including greenhouse gas mitigation from industry, agriculture and municipalities. Clients include Kraft Foods, ConAgra, BP and others, and project awards were conferred by States of Illinois and Wisconsin, Water Environment Federation, and UK Government (Dept Trade & Industry). Mr. Stack's educational background includes MPH, UIC School of Public Health, 1982 in EOHS, and DrPH Candidate at UIC SPH, presently, in Leadership Program. Mr. Stack is a Board Certified Environmental Scientist in Sustainability Science, AAES and Certified Presenter and Mentor, Climate Reality Leadership Corps (VP Al Gore's climate project).

Topic/Presentation Synopsis:

- Presentation will cover greenhouse gas (GHG) emissions work under EPA Clean Power Plan, Kyoto Protocols Clean Develop Mechanism, and other regulatory drivers. Key talking points will include:
- "Industrial ecology" and sustainability as ways to prevent emissions from being created.
- Good industrial design can really do a great deal to prevent/minimize GHG emissions.
- Ways in which US industries and municipalities are striving to conform to the Paris Accords in opposition to the present administration.



Good design should be available to all. That's the belief of **Jeff Bone** and Landon Bone Baker Architects. An

innovative leader and hands-on champion of affordable housing, Jeff nurtures the firm's grassroots approach to help nonprofit clients translate their vision. He regularly engages community members to co-create inventive, inviting, and sustainable spaces and places that transform lives, revitalize neighborhoods, and regenerate cities.

Topic/Presentation Synopsis:

Jeff Bone, a principal at Landon Bone Baker Architects, discusses the work of his firm which specializes in community-based, affordable, and environmentally responsible housing and design in Chicago and the region. For 30 years, the firm has successfully balanced context, technology, sustainability and economy in its work while bringing a strong sense of ownership to the residents of a wide variety of new and rehabbed affordable, subsidized, and supportive housing developments. Jeff will give examples of recently completed buildings that contribute to the health of their occupants and have minimum impact on the environment, by incorporating non-toxic materials, energy-efficient components, and other design features



Theodore J. Hogan: Associate Professor, College of Engineering and Engineering Technology, Northern Illinois University, DeKalb, IL, USA. Dr. Hogan worked about thirty years in industry and consulting prior to teaching, including as corporate head of safety and industrial

hygiene for Commonwealth Edison. He uses this practical experience when teaching toxicology, safety, environmental health, and sustainability. As a member of the ACGIH Threshold Limit Values Chemical Substances Committee, Dr. Hogan develops workplace chemical exposure guidelines.

Topic/Presentation Synopsis:

An eye-opening experience where participants learn about the worldwide impact of something they all use every day (a phone accessory). In this session we will examine an apparently simple phone accessory to determine the environmental impacts of the metals, plastics, paper (packaging), energy and water needed to make that accessory. Teams will be provided new accessories for hands-on evaluation. This will include:

- Deconstructing the product into its major components (metal, plastic, paper)
- Considering the "embedded energy and the "embedded water" in the product
- Determining how these can impact the environment (and workers) by looking at the lifecycle of each component
- Evaluating alternative materials, manufacturing, and other aspects of the lifecycles to reduce environmental impacts
- Discussing your findings with the rest of the attendees