

**TRACK NAME:**

Carbon Footprint Analysis for Buildings – Alliance for Construction Excellence

SESSION NAME:

Determining Your Building's Carbon Footprint – Part I

DATE + TIME + ROOM NUMBER

Friday September 5th - 10:10am - 101B

SESSION DESCRIPTION

With the launch of several recent carbon reduction initiatives, the U.S. is finally beginning to tackle the reduction of carbon emissions. These initiatives range from Kyoto Now, a movement to get corporations to address their carbon emissions similar to the Architecture 2030 initiative, which is asking the building community to design carbon-neutral buildings by 2030. Cities are also anxious to demonstrate their commitment to carbon reduction, as evidenced by the recent adoption of a resolution very similar to the Architecture 2030 goals by U.S. Council of Mayors. In addition, the U.S. Congress also has begun to discuss how best to introduce carbon emission reduction into national environmental policy. For example, carbon reduction strategies such as a carbon cap and trade type of system currently are being actively discussed in Washington, D.C.

Unfortunately, for individuals attempting to understand how to reduce CO₂ in buildings there is a lack of information to help them understand if they are on track to achieving such a goal. The presentation will show how one would determine a building's carbon footprint as well as to demonstrate how various strategies and technical interventions can improve its CO₂ footprint.

PRESENTER(s):

Harvey Bryan, Ph.D., FAIA – Arizona State University

PRESENTER BIOGRAPHY(s)

Dr. Bryan is specialist in building technology who has written over ninety papers and articles, many of which focus on the design and use of energy efficient and renewable energy technologies for buildings. He has previously taught at MIT and Harvard, where his research received support from numerous public and private sponsors. He is active in several professional and technical societies; he has served on the ASHRAE committee responsible for developing the 90.1 National Energy Standard for Buildings, is presently serving on ASHRAE SPC 189 and TC 2.8 committees which are concerned with Green Building issues, the American Institute of Architects' Committee on the Environment and was chair of the Solar Buildings Division of the American Solar Energy Society. He currently serves on the Board of Directors of the International Building Performance and Simulation Association and is associate editor of the journal *Solar Energy*. Dr. Bryan is a LEED Accredited Professional, a Fulbright Fellow, a Fellow of the American Institute of Architects as well as the American Solar Energy Society.

CONTINUING EDUCATION CREDIT (CEU)

N/A