

4th Annual North Carolina Sustainable Energy Conference
 March 8, 2007
 NCSU McKimmon Conference Center

Morning Session

10:30 am to 12:00 pm

Track D: Commissioning: Assuring Owners' Performance Expectations Are Met in New Buildings

Participants will learn what commissioning is and why it is needed in the design, construction and acceptance phases of today's complex buildings. Commissioning case studies by owners and commissioning professionals will be offered that cover how the commissioning process is implemented. The session will be concluded with a panel discussion of commissioning and engineering professionals.

<i>Time</i>	<i>Topic</i>	<i>Presenter</i>
10 minutes	Intro to Cx and NCCX committee	Rod Rabold, UNC
10 minutes	How owners obtain buy in by upper management. How owners implement Cx	Leonard Thagard, NCSU Rod Rabold, UNC
12 minutes	Case study NCSU	Steve Szymczyk, NCSU
15 minutes	Case study TBD	Michael Mantai, System WorCx
12 minutes	Case study UNC Science Complex	Rod Rabold, UNC
30 minutes	Panel discussion on new Cx <i>Starts with 'How to make Cx process successful'</i>	Ralph Taylor, State Const. Office, moderator

Afternoon Session

2:00 pm to 3:30 pm

Track D: Retro-commissioning: Achieving Designed System Performance in Existing Buildings

Participants will learn about the U.S. Department of Energy's recent study on retro-commissioning and the documented energy savings that can be attained. Participants also will gain knowledge of the process used to commission existing buildings through case studies, with examples of the benefits of retro-commissioning. This session will be concluded by a panel discussion on retro-commissioning by engineering and commissioning professionals.

<i>Time</i>	<i>Topic</i>	<i>Presenter</i>
10 minutes	Intro to retroCx, DOE study and NCCX	Rod Rabold, UNC
10 minutes	How to identify retro cx opportunities or, "You know you need to retroCx if"	Ken Yarnell, ECU
12 minutes	Buena Vista Schools RetroCx	Barry Jones, KLGJones
12 minutes	UNC Pembroke RetroCx	Tom Foster, Commissioning WorCx
40 minutes	Panel discussion on retroCx, new Cx and other Cx issues <i>Starts with 'What is the retroCx process for the owner'</i>	Ralph Taylor, State Const. Office, moderator