

**TRACK NAME**

Green Building in the Desert - USGBC

SESSION NAME

Applicable Lessons in Adobe Design + Construction for Affordable Housing and Livable Communities

DATE + TIME + ROOM NUMBER

Friday September 5th – 3:00pm – Room 102A

SESSION DESCRIPTION

Session will illustrate the principles of passive-solar adobe design & construction: high thermal mass, low embodied energy, simple shapes, shared walls, self-shading massing, proper orientation, courtyards, seismic resistance, foundations, bond beams & roof construction. Built examples and prototypical designs are explained and showcased.

PRESENTER(S)

Robert Vint – Vint & Associates Architects Inc.

PRESENTER BIOGRAPHY (s)

Bob Vint is an architect specialized in environmental design, historic preservation and community architecture. His work includes the preservation of Mission San Xavier del Bac (National Historic Landmark on the Tohono O'odham Nation, AZ), the St. Michael's Student Center in Tucson AZ (recipient of Sonoran Institute "Best of Tucson" Public Green Building award in 2004 for the largest water harvesting installation to date in Tucson), as well as the design of numerous homes of adobe and straw bale. Bob has lectured widely on environmental architecture and historic preservation, including at the University of Arizona, Tucson; the Massachusetts Institute of Technology; Cambridge, the Ecosa Institute, Prescott AZ; Taliesin West, Scottsdale AZ; and the Arizona Preservation Conference in Phoenix, Tucson and Nogales AZ.

In 2005 Bob co-authored a book on adobe, rammed earth and strawbale and their applicability to affordable housing design for the US Dept of HUD:

http://www.huduser.org/Publications/pdf/SouthwestHousing/SW_Housing_Traditions.pdf

Also featured on "The Desert Speaks" PBS documentary on adobe houses ('Ageless Mud: Adobe Homes in the Desert' www.thedesertspeaks.org). See also <http://www.azstarnet.com/athome/145609#>.

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