

April 18, 2013

Noon - 1 p.m.

[Champaign County Economic Development Corporation \(EDC\)](#)

1817 S. Neil Street, Suite 100

*Plenty of free parking!*

### **Equinox House**

Guest: Ty Newell, Professor Emeritus, University of Illinois

Free lunch will be provided by [Pekara Bakery!](#)

Join CCNet on a virtual tour of a truly unique sustainable house. Mechanical engineer/ professor emeritus Ty Newell, and his wife, teacher/ librarian Deb Newell, built the Equinox House in 2009/2010. The house harnesses the power of the sun year-round for daylighting and in winter for passive heating through clerestory windows with an overhang that is tuned to block direct sunlight (and heat gain) from the spring equinox to the fall equinox. A solar PV array in the backyard provides all the home's electric energy with power to spare for an electric vehicle. This super-insulated and air sealed home is conditioned through a custom-designed conditioning energy recovery ventilation (CERV) system, and employs a unique rainwater collection system with dual plumbing.