



## **USGBC - St. Louis Regional Chapter**

*in partnership with American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)*

### **ASHRAE GreenGuide**

David L. Grumman

Grumman/Butkus Associates, ASHRAE Fellow

The *GreenGuide* was developed to provide guidance to designers of Heating, Ventilation, Air Conditioning & Refrigeration (HVAC & R) systems in how to participate effectively on design teams charged with producing green buildings. It also covers green design techniques applicable to related technical disciplines – such as plumbing and lighting; it addresses as well how mechanical and electrical systems may interact with and be influenced by architectural design. The *GreenGuide* starts with the earliest stages of a green building design project and carries through to the resulting structure's construction, operation/maintenance – and eventual demolition.

David L. Grumman, P.E., has been engaged in HVAC & R since he began his career in 1959. He worked 13 years in engineering for Chicago-based Perkins and Will and founded his own energy consulting firm in 1973. His technical specialties have included energy conservation, conceptual design, indoor air quality, chilled water distribution, thermal storage, and controls. As an ASHRAE Fellow, he has been active in the Society since the early 1960s, and has served on numerous standing committees, including many as chair.

#### ***When***

Tuesday, March 14, 2006

5:30 – 6:15 pm Networking

6:15 – 7:30 pm Program

#### ***Where***

Missouri Botanical Garden

Monsanto Center

4500 Shaw Boulevard

St. Louis, Missouri

#### ***Fee***

Free to USGBC-STL and ASHRAE members and students

\$20.00 for Non-members

#### ***To register***

Email [usgbc-stl@mobot.org](mailto:usgbc-stl@mobot.org)

Call (314) 577-0854

U.S. Green Building Council  
St. Louis Regional Chapter

3617 Grandel Square  
St. Louis, MO 63108  
314-577-0854  
fax: 314-577-0298  
[usgbc-stl@mobot.org](mailto:usgbc-stl@mobot.org)  
[www.usgbc.org/chapters/stlouis](http://www.usgbc.org/chapters/stlouis)

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