



# 2001

## Technical and Symposium Papers, January 2001

[4410 \(International Journal of Heating, Ventilating, Air-Conditioning and Refrigerating Research\)](#)

### **Dynamic Modeling of Encapsulated Ice Tank for HVAC System Simulation**

Yan Zhang; Yingxin Zhu, Member ASHRAE

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### **Modeling and Analysis of Gas Coolers**

Xiang D. Fang, Ph.D.; Clark W. Bullard, Ph.D., Member ASHRAE; Predrag S. Hrnjak, Ph.D., Member ASHRAE

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### **Multiple Model Approach of a Residential Heat Pump for Integration in a Building Thermal Simulation Code Comparison with Experimental Results**

Francois Garde, Ph.D., Associate Member ASHRAE; Frank Lucas; Harry Boyer, Ph.D.; Jean Brau, Associate Member ASHRAE

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### **Optimal Sizing of Hybrid Ground-Source Heat Pump Systems That Use a Cooling Pond as a Supplemental Heat Rejecter—A System Simulation Approach**

Mahadevan Ramamoorthy, Student Member ASHRAE; Hui Jin, Student Member ASHRAE; Andrew D. Chaisson, Associate Member ASHRAE; Jeffrey D. Spitler, Ph.D., P.E., Member ASHRAE

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### **Simulation of Source Energy Utilization and Emissions for HVAC Systems**

Robert Adam Gansler, Associate Member ASHRAE; Douglas T. Reindl, Ph.D., P.E., Member ASHRAE; Todd B. Jekel, Ph.D., Associate Member ASHRAE

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### **Assessment of Thermal Comfort During Surgical Operations**

Rodrigo Mora, Student Member ASHRAE; Michael J.M. English; Andreas K. Athienitis, Ph.D., P.E., Member ASHRAE

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### **Predicting the Frequency of Hot and Cold Complaints in Buildings**

Clifford Federspiel, Ph.D., Associate Member ASHRAE