

ASHRAE REGION VI  
2019 TECHNOLOGY AWARDS

# SHOUT OUT – 2018 SOCIETY FIRST PLACE AWARDS

- COMMERCIAL BUILDINGS – NEW
  - INDIAN CREEK NATURE CENTER
  - DWIGHT SCHUMM, TIMOTHY LENTZ
- COMMERCIAL BUILDINGS – EBCx
  - 801 GRAND
  - JOHN TSINGAS, DAVID ELDRIDGE JR.
- PUBLIC ASSEMBLY – NEW
  - RAMSEY COUNTY LIBRARY – SHOREVIEW
  - SARAH BERSETH, SCOTT LICHTY

# FIRST PLACE - COMMERCIAL BUILDINGS - NEW

## KIRKWOOD CENTER

- KELLY HARRER – DESIGN ENGINEERS
- CEDAR VALLEY CHAPTER

## COMMUNITY COLLEGE CULINARY CENTER AND BOUTIQUE HOTEL

- GEOTHERMAL HEATING & COOLING
- THERMAL ICE STORAGE
- DEMAND CONTROLLED VENTILATION

# HONORABLE MENTION – COMMERCIAL BUILDINGS EXISTING

## DESIGN ENGINEERS NET ZERO ENERGY IMPROVEMENTS

- JOSEPH CHAPPELL – DESIGN ENGINEERS
- CEDAR VALLEY CHAPTER

## NET ZERO ENERGY RETROFIT

- 102.6 KW PV INSTALLATION
- BEQ - 3
- 128 TON CO2 EMISSION REDUCTION

# FIRST PLACE – EDUCATIONAL FACILITIES - NEW

## IOWA CITY COMMUNITY SCHOOL DISTRICT LIBERTY HIGH SCHOOL

- DWIGHT SCHUMM – DESIGN ENGINEERS
- CEDAR VALLEY CHAPTER

## NEW PUBLIC HIGH SCHOOL

- GEOTHERMAL HEATING & COOLING
- CENTRAL AND TERMINAL HEAT PUMPS
- 47% ENERGY SAVINGS ABOVE BASELINE

# SECOND PLACE – EDUCATIONAL FACILITIES - NEW

## UNIVERSITY OF PIKEVILLE

- ANTHONY ZEHNLE - IMEG
- ST. LOUIS CHAPTER

## HEALTH PROFESSIONS EDUCATION BUILDING

- DOAS WITH TERMINAL FAN COIL UNITS
- RUN AROUND COIL ENERGY RECOVERY
- 48 KBTU/SF/YEAR

# FIRST PLACE – EDUCATIONAL FACILITIES - EXISTING

## UNIVERSITY OF ILLINOIS FREDERICK SEITZ MATERIALS RESEARCH LABORATORY

- CHAD LUNING AND MICHAEL McDERMOTT –  
GRUMMAN BUTKUS
- ILLINOIS CHAPTER

## LABORATORY BUILDING RENOVATION

- DOAS WITH HEAT PIPE RECOVERY
- VAV DISPLACEMENT VENTILATION
- DUAL DUCT DISTRIBUTION REPURPOSE

# FIRST PLACE – OTHER INSTITUTIONAL - NEW

## TENNESSEE STATE MUSEUM

- LEIGHTON DEER - HGA
- MINNESOTA CHAPTER

## CRITICAL CONDITIONED MUSEUM

- GAS PHASE FILTRATION
- 4 LEVELS OF TEMP. & RH CLASSIFICATION
- 40% ENERGY SAVINGS OVER BASELINE



# SECOND PLACE – OTHER INSTITUTIONAL - NEW

## ARMY NATIONAL GUARD READINESS CENTER AND ARMY AVIATION SUPPORT FACILITY

- KEVIN MAGNUSON - IMEG
- MISSISSIPPI VALLEY CHAPTER

## ARMORY AND HELICOPTER HANGAR & MAINTENANCE FACILITY

- VRF WITH HEAT RECOVERY
- DOAS + ERVs
- SAFETY DRIVEN SNOWMELT DESIGN

# FIRST PLACE – HEALTHCARE FACILITIES - NEW

## UNIVERSITY OF WISCONSIN THE AMERICAN CENTER

- FREDERICK BETZ - AEI
- MADISON CHAPTER

## ORTHOPEDIC SPECIALTY HOSPITAL WITH WELLNESS

- 55% WATER USE REDUCTION
- LIQUID POOL COVER
- 171 KBTU/SF/YEAR

# SECOND PLACE – HEALTHCARE FACILITIES - NEW

## UNIVERSITY OF COLORADO HEALTH – LONG'S PEAK

- FREDERICK BETZ - AEI
- MADISON CHAPTER

## 53 BED COMMUNITY HOSPITAL

- ACTIVE CHILLED BEAMS
- RUN AROUND LOOP HEAT RECOVERY
- 26% ENERGY SAVINGS OVER BASELINE

# HONORABLE MENTION – HEALTHCARE FACILITIES - EXISTING

## FINLEY HOSPITAL GRANDVIEW EXPANSION

- JOSHUA HEACOCK - IMEG
- MISSISSIPPI VALLEY CHAPTER

## EMERGENCY DEPARTMENT AND HEART CENTER ADDITION

- UNIQUE CONSTRUCTION PHASING
- LARGE DELTA T CHW DESIGN

# FIRST PLACE – INDUSTRIAL FACILITIES OR PROCESSES - NEW

## ZOETIS CHILLER EXPANSION PROJECT

- DANIEL DOYLE – GRUMMAN BUTKUS
- ILLINOIS CHAPTER

## CHILLER PLANT SUPPORTING PHARMACEUTICAL MANUFACTURING

- LCC ANALYSIS ON 4 OPTIONS
- DRY COOLER INTEGRATION FOR FREE COOLING
- ENERGY DASHBOARD

# HONORABLE MENTION – RESIDENTIAL

## 200 N DEARBORN CONDOMINIUM

- GREG SWISS – CYCLONE ENERGY
- ILLINOIS CHAPTER

## CHILLER REPLACEMENT

- VIBRATION & ACOUSTICS ANALYSIS
- 14 WEEK SCHEDULE
- 50% IPLV REDUCTION