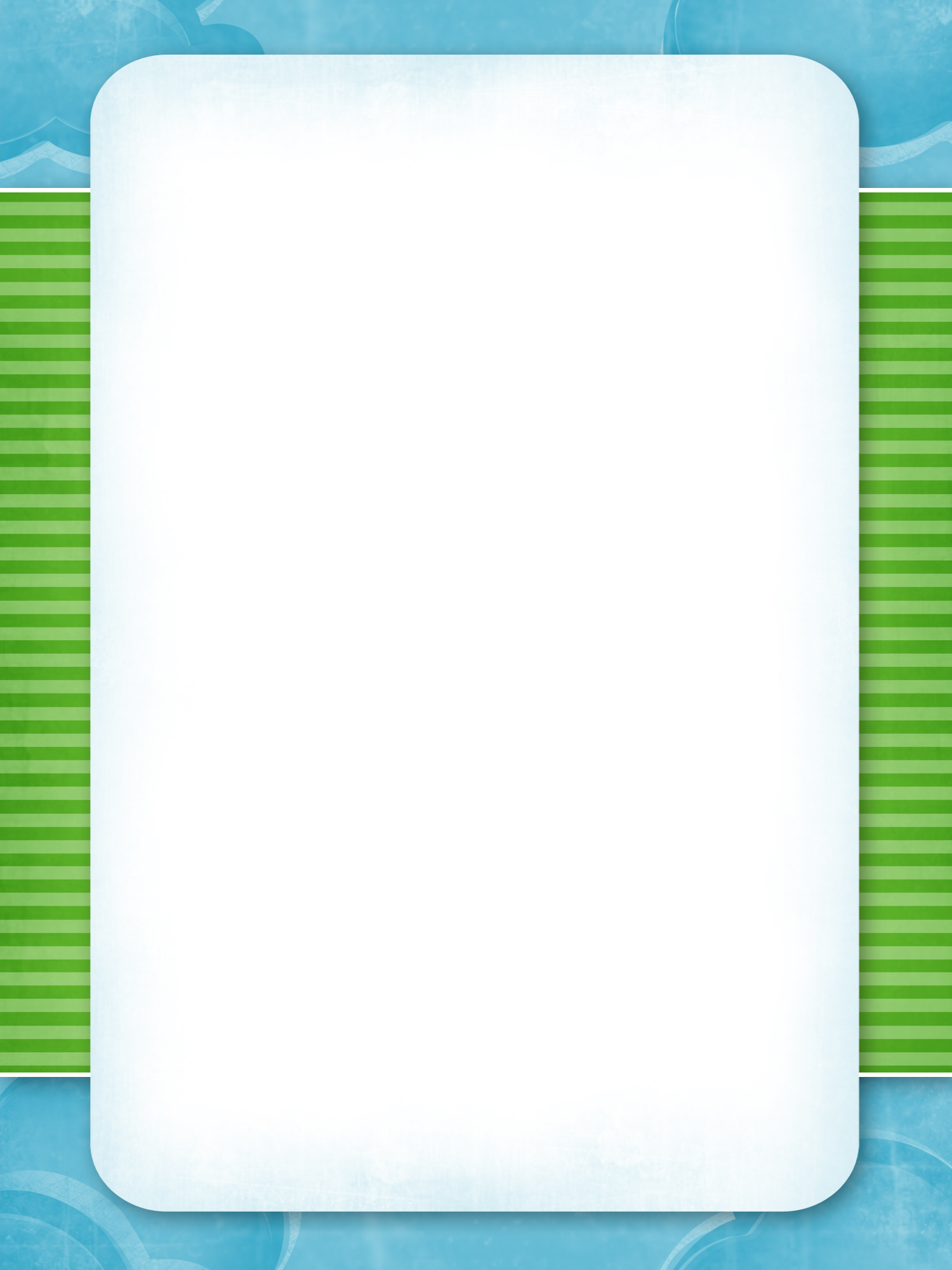
ASHRAE Research Projects

Region IX

|  |  |  |
| --- | --- | --- |
| $140,685 | Experimental Investigation of Hospital Operating Room (OR) Air Distribution | U. COLORADO - Boulder, CO |
| $167,425 | Balancing Latent Heat Load between Display Cases and Store Comfort Cooling | U. COLORADO - Boulder, CO |
| $84,714 | The Development of Simplified Rack Boundary Conditions for Numerical Data Center Models | U. COLORADO - Boulder, CO |
| $297,866 | Stochastic Control Optimization of Mixed-Mode Buildings | U. COLORADO - Boulder, CO |
| $500,000 | Role of HVAC Systems in the Transmission of Infectious Agents in Buildings and Intermodal Transportation | U. COLORADO - Boulder, CO - Shelly Miller |
| $10,000 | Stochastic Control Optimization of Mixed-Mode Buildings | U. COLORADO-BOULDER-Ryan Tanner |
| $20,000 | CFD Shootout Contest | ZHIQUIANG ZHAI - Boulder, CO. |
| $93,368 | Ventilation Requirements for Refrigerating Machinery Rooms | CPP, INC. - Fort Collins, CO |
| $69,808 | Determine the Effects of Duct Fittings on Air Velocity Measurements | KANSAS STATE U. - Manhattan, KS |
| $192,101 | Heat Gains from Electrical and Control Equipment in Industrial Plants, Part 2 | KANSAS STATE U. - Manhattan, KS |
| $177,067 | Characterization of Liquid Refrigerant Flow Emerging from a Flooded Evaporator Tube Bundle | KANSAS STATE U. - Manhattan, KS |
| $10,000 | Air-Side Economizer Low-Limits Effect on Energy and Thermal Comfort | KANSAS STATE U. -Samantha Pekarscik, |
| $200,000 | The Effect of Humidity on the Reliability of ICT Equipment in Data Centers | MISSOURI UNIV. SCIENCE & TECH. - Rolla, MO |
| $10,000 | A Hybrid Ground Source Heat Pump System for Sustainable Farms and Ranches | MONTANA STATE UNIV-Chantz Denowh |
| $69,638 | Productivity and Perception Based Evaluation of Indoor Noise | U. NEBRASKA - Lincoln, NE |
| $143,168 | Active Mechanism for Enhancing Heat and Mass Transfer in Sorption Fluids | U. NEBRASKA - Lincoln, NE |
| $112,829 | CO2 based Demand Controlled Ventilation for Multiple Zone HVAC Systems | U. NEBRASKA - Lincoln, NE |
| $135,349 | Development of the ASHRAE Design Guide for Dedicated Outdoor-Systems | U. NEBRASKA - Lincoln, NE |
| $10,000 | A Novel Heat-pump System using Bio-mass Energy | U. NEBRASKA- LINCOLN-Daihong Yu |
| $180,000 | Updating Heat and Moisture Production Rates of Modern Swine and their Housing Systems | U.S. MEAT ANIMAL RESEARCH CENTER - Clay Center, NE |
| **$2,624,018** | **Total in Region IX** |  |



**ROCKY MOUNTAIN ASHRAE RESEARCH PROMOTION**

***Who is ASHRAE?***

*ASHRAE, founded in 1894, is an international organization of 55,000 members. It is the world’s foremost technical society in the fields of HVAC&R. Through its meetings, research, standards writing, publishing and continuing education, the Society helps keep indoor environments comfortable and productive, deliver healthy food to consumers and preserve the outdoor environment.*

***ASHRAE’s Research Vision***

*ASHRAE conducts timely research to remain the foremost, authoritative and responsive international source of technical and educational information, standards and guides on the interaction between people and the indoor and outdoor environment through the operation of HVAC&R systems in buildings and other applications.*

*The donations that are raised by the Rocky Mountain Chapter of ASHRAE fund this research.*

**Please complete the form below and mail to:**

**Jessie Jones, 12600 W. Colfax Ave, Suite A-400, Lakewood, CO 80215.**

**An invoice will be sent with instructions for payment.**

**Annual Golf Tournament – June 16, 2014**

🞏 Hole Sponsor $300 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Company signage at a tee box or green)

🞏 Individual manufacturer’s signage $50 each # Signs \_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Smaller signage in addition to Hole Sponsor)

🞏 Golf Foursome $600 each foursome # 4-somes \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 2-person Team $300 each team # Teams \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 Individual Golfers $150 each # Individual Golfers \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Annual Technical Conference – May 2, 2014**

🞏 Break Sponsorship $250 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 Track Sponsorship $1,000\* \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 Happy Hour Bar Sponsorship $300 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 Vendor Booth $600\* \_\_\_\_\_\_\_\_\_\_\_\_\_\_

🞏 Technical Conference Attendance Pass $175 each # Attendees \_\_\_\_\_\_\_\_\_\_\_\_\_\_

(10% discount for 5 or more attendees)

\*Available on a limited basis as available

**General ASHRAE Research Promotion Levels of Recognition**

🞏 Honor Roll Donor $150- $249

🞏 Major Donor – Antique $250 - $499

🞏 Major Donor – Bronze $500- $999

🞏 Major Donor – Silver $1,000 - $2,499

🞏 ASHRAE Associate $2,500- $4,999

🞏 ASHRAE Partner $5,000- $9,999

🞏 Golden Circle Donor $10,000- $19,999

🞏 Platinum Circle Donor $20,000+ Research Donation\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Company Name:**

**Contact Name and phone number:**

**Anticipated Date for Payment:**

Based upon your selections above, an invoice will be mailed to contact listed.