



## Since 1981, CPP has helped architects and engineers design a more efficient, comfortable, and sustainable built environment.

With more than 30 years of experience, a large technical staff, facilities in the Colorado and Australia, CPP is the largest, most experienced US wind engineering company. Our services range from dispersion modeling for air quality to wind-related building loads to indoor and outdoor comfort.

Since its founding, CPP has attracted and developed some of the finest wind engineers in the field. CPP principals and senior staff are key contributors to wind loading codes and wind tunnel testing standards around the world.

### Industry Leadership

Our leaders authored the Laboratories for the 21st Century (Labs21) Best Practices Guide, "Modeling Exhaust Dispersion for Specifying Exhaust/Intake Designs" (visit [www.labs21century.gov](http://www.labs21century.gov) for a copy), and offer professional development classes through ASHRAE, AIHA and LabWize. Our engineers regularly publish relevant articles in their areas of expertise, including the ASHRAE Journal (June 2011) feature article titled "Saving Energy in Lab Exhaust Systems."

Brad Cochran received the prestigious Labs21 "Go Beyond Award" at the 2011 Labs21 Conference. This award is presented to an exemplary individual that has demonstrated extraordinary leadership and innovation in creating and maintaining sustainable, high-performance facilities.

John Carter received ASHRAE's Distinguished Service Award in 2013 and the ASHRAE George B. Hightower Technical Achievement Award for 2014/2015. Dr. Ron Petersen received the ASHRAE Fellow award in 2014 that recognizes members who have attained distinction in their field.

Our engineers have conducted research for ASHRAE to develop exhaust and intake design guidelines and they have coauthored versions of ASHRAE handbooks that address the topics, "Airflow Around Buildings," and "Exhaust Design." The 2011 ASHRAE HVAC Applications handbook includes an updated screening-level dispersion model developed by CPP that is a simplified version of the model used by CPP for mathematical dispersion modeling assessments.

### Services

- Building exhaust dispersion
- Pedestrian-level winds & pollutant concentrations
- Indoor airflow & natural ventilation
- Thermal risks for data centers
- Exhaust system energy optimization
- Structural wind loads & responses
- Wind effects on cladding & roofs
- Air permitting
- Smoke and fire behavior

