



CHARLES PANKOW
FOUNDATION

Building Innovation through Research

2009 ANNUAL REPORT

The Charles Pankow Foundation exists to advance innovations in building design and construction, so as to provide the public with buildings of improved quality, efficiency and value.



2009 HIGHLIGHTS

- Completed five research projects
- Awarded three new research grants
- Launched Design Management Project
- Developed new branding identity
- Energized collaborations with Allies
- Weathered recession successfully

PRESIDENT'S MESSAGE

2009 marked the fourth full year of operation for our foundation. The year began with much concern over the condition of the economy and the impact of the stock market. Foundations and endowments across the country were affected by this turmoil and CPF was not exempt. Fortunately, the markets began to recover and our investments performed enough that, by December, much of our losses had been recovered. This condition enabled us to plan for increased new grant awards in 2010.

Even with the turmoil however, much was accomplished. We continued to meet our obligated funding for 14 ongoing grants. Three new grants were awarded totalling \$341,000 in new commitments, and five research projects were successfully completed.

A new venture for 2009 was our first-ever research project generated by the Foundation's leadership and actively directed by CPF through a volunteer, industry-spanning team of contributors. The purpose of this Design Management project is to develop and publish a collection of best practices for design oversight. It is intended to assist the buyer of these services, whether owner or design-builder, in improving their process for the design management function. We have experienced widespread, enthusiastic industry response for this project and intend to publish the Design Management Guide by early 2011.

We added four new members to our national Advisory Council and saw four stalwart charter members, Joe Sanders; Victor Sanvido; Ron Skaggs, and Charlie Thornton, as well as Rebekah Gladson, retire. We cannot thank them enough for the selfless work they did in helping the Foundation in its formative years. This Advisory Council continues to be the backbone of our strategic direction setting and our grant evaluation process.

Lastly, this year also saw work begin on our new website. Once complete, this site will provide a single location for information on our work and processes, as well as access for users to read and download all completed research products. We are expecting this improvement will help our community of stakeholders reach us easily and will enable us to provide building design and construction practitioners with seamless and efficient access to the innovative solutions which our grantees produce over the years.

Thanks to all of you who support the Charles Pankow Foundation; it's because of you that the Foundation is increasingly able to provide valuable advances for the U.S. building design and construction community.



Richard M. Kunnath, President
Charles Pankow Foundation

2009 RESEARCH GRANTS

In 2009, CPF awarded three new research grants, totaling \$341,000 in value, each on a research need central to our strategic focus. See the CPF website, www.pankowfoundation.org for full descriptions of all new and previous research grant awards.

Grantee	Research Topic	Grant
University of Washington	Performance-Based Seismic Design of Concrete Walls	\$275,000
Georgia Tech	National BIM Standard for Precast Concrete (Extension)	\$28,258
ACI Foundation	Strategic Plan for Developing IFCs for Concrete Components	\$37,500

NON-RESEARCH GRANTMAKING

The Foundation allocates a percentage of its annual grant awards for purposes related to Mr. Pankow's charitable and humanitarian interests during his lifetime. These interest include: giving to selected community causes; grants for education; and, support to selected construction and engineering industry associations.

ALLIED ORGANIZATIONS: A KEY TO CPF ACHIEVEMENT

As a brand-new player in the national building construction arena, CPF's connecting with established, industry-leading organizations has proven to be an essential strategy.

Beginning with the Foundation's initial research grant awards in 2006, our program's emerging successes have increasingly relied on our close collaboration with six major construction industry entities. Through 2009, our "Ally Organizations" are:

- ACI: American Concrete Institute
- ATC: Applied Technology Council
- CII: Construction Industry Institute
- DBIA: Design Build Institute of America
- NIBS: National Institute of Building Sciences
- PCI: Prestressed/Precast Concrete Institute

Mutual Strategic Values

Each Ally shares CPF's fundamental, mutual values in these ways:

- Their **mission** is highly congruent with ours;
- Their set of **customers and stakeholders** are the same as, or very similar to, ours;
- They have a **proven record** of a) accomplishing or supporting **valuable, practical research** by b) employing **industry/academic collaborations** with strong "industry champion" involvement, and c) effectively **disseminating and diffusing** research products into building design and construction practice;
- Strong, **positive relationships** exist between their leaders and ours;

- They have **needs that CPF can satisfy**; and,
- They are **committed** to an Alliance arrangement that furthers CPF's goal to access compelling research needs.

Advantages for CPF

Collaborations with these Allies since 2006 have a) enabled CPF's access to relevant research topics of mutual interest; b) produced co-funding to augment CPF grant award amounts; and, c) begun to expand the dissemination of CPF research products through established industry networks.

Advantages for Allies

CPF-funded research delivers innovative products which add value for Allies' mission accomplishment. CPF research grant awards to date, by participating Ally, are shown below (number of projects and total grant award amounts):

- NIBS (includes BuildingSmart Alliance): five projects; \$1,208,000
- PCI: six projects; \$1,178,000
- ATC: two projects; \$438,000
- CII: three projects; \$356,000
- DBIA: two projects; \$275,000
- ACI: two projects; \$178,000

Summary

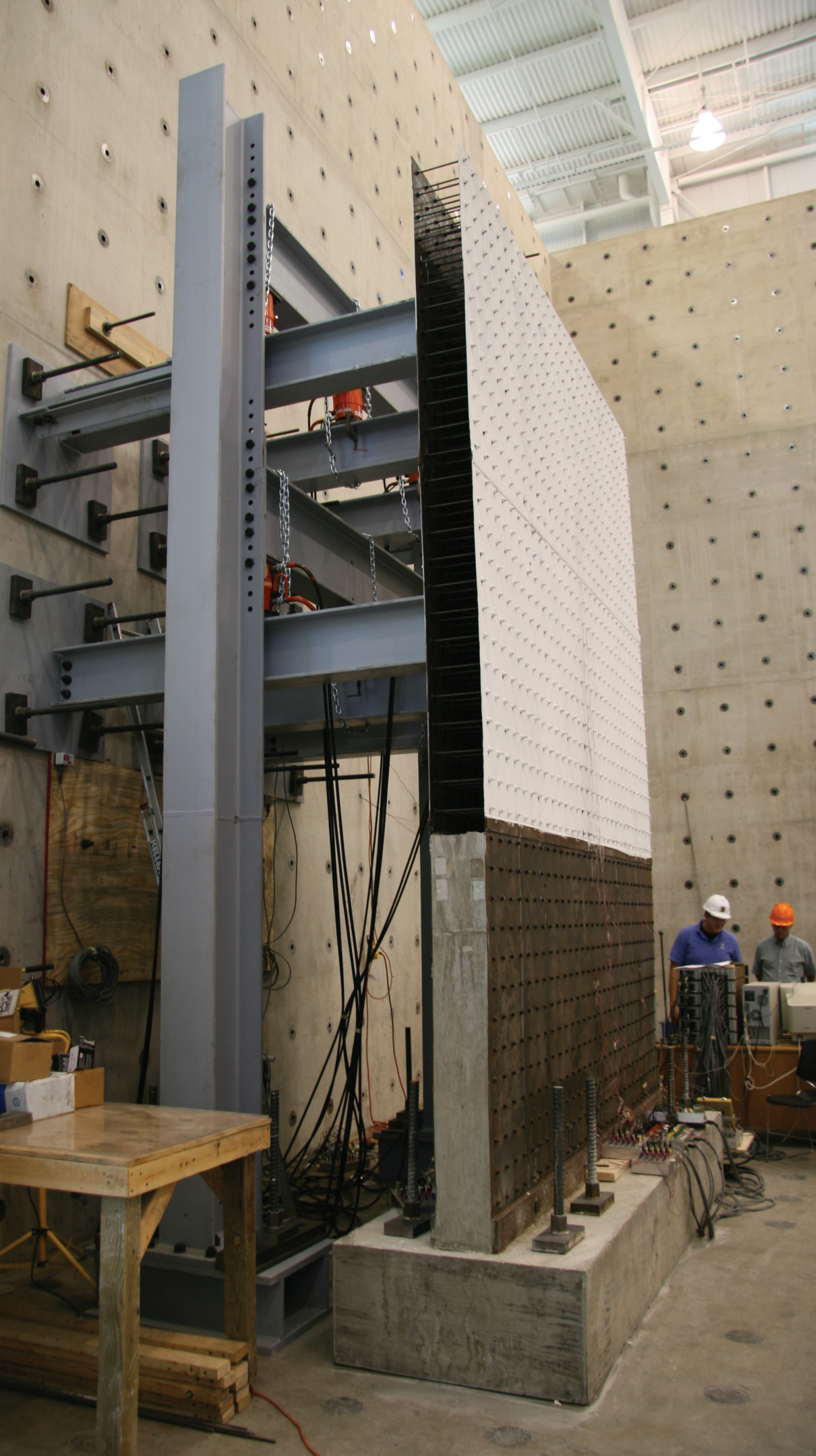
84 percent of the total value of all CPF research grant amounts (\$4.3 million) is in projects in which one or more Allies have had significant involvement.

Charles Pankow Foundation recognizes and appreciates the exceptional involvement and value that each Ally has brought to our early endeavors. We wouldn't be succeeding without you.

RESEARCH PRODUCTS

During 2009, Charles Pankow Foundation research grantees completed five research projects funded by CPF grants. Full reports and other research products can be seen and downloaded at www.pankowfoundation.org

Project	Principal Investigator	Grantee
Corrugated Sheet Steel Shear Walls	Boza Stojadinovic	University of California, Berkeley
Reinforced Concrete Link Beams	John Wallace	University of California, Los Angeles
Adaptations of Cementitious Structural Insulated Panels for Multi-story Construction	Henry Kelly	Federation of American Scientists
GreenFormat Sustainable Product Reporting Guide	Roger Grant	Concrete Specifications Institute
Design of Untopped Precast Concrete Diaphragm Systems for High Seismic Zones (Research Report)	Robert Fleischman	University of Arizona



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www.pankowfoundation.org

223 W. Foothill Blvd., 2nd Floor
Claremont, CA 91711
909.624.1800