



L'Atterobe

2015

ARCHITECTURAL RESILIENCY



AIA
College of Fellows

Prize

The AIA College of Fellows invites individuals and teams to submit proposals for the 2015 Latrobe Prize

Awarded to a research proposal that has the long-range potential to resolve one or more 21st century architectural and built environment challenges, the Latrobe Prize provides the recipient with \$100,000 to conduct research on a critical issue and to develop a solution that enhances the current practice of architecture, construction practices and processes.

The Latrobe Prize

The AIA College of Fellows' mission is to support the Institute and advance the profession of architecture. Toward that end, the College seeks to encourage research that broadens the perspective and scope of architecture to include cross-disciplinary fields and expertise through its biennial competition: the Latrobe Prize.

Research proposals for the Latrobe Prize may include, but are not limited to, building materials and delivery systems, digital design, computer simulation and modeling, energy, eco-design, or integrated design-construction practices and processes.

\$100,000

Research Theme:

Architectural Resiliency

re sil ience

[ri-zil-yuh ns, -zil-ee-uh ns]

the power or ability to return to the original form, position, etc., after being bent, compressed, or stretched; elasticity.

Architectural Resiliency

Rapid changes to climate will increase the severity and frequency of natural disasters and consequently human suffering. Climate change will have an impact most everywhere from coastal communities to the heartland. How design professionals respond to this challenge of unpredictable and violent change will determine the future for multiple generations. To curb changes in climate requires society to simultaneously reduce carbon-based energy use as well as wrestle with the consequences of more frequent and severe natural disasters. As climate stresses natural and human-made systems, institutions will inevitably change to respond to the evolving context. Planning for institutional transformation, while maintaining core democratic values and beliefs, is a grand challenge for the 21st century.

Of the three strategies for buildings to respond to the consequences of climate change: defend in place and armor, re-settle/rebuild, or become more resilient, the latter often seems to be particularly strategic. Resiliency is a third path away from the duality of fight (get tougher, harder and defend) or flight (turn away and start anew). Resiliency requires the careful management of our resources — natural and cultural, new and embodied — to embrace and respond to the vagaries of crisis.

As a strategy resilience requires careful analysis and assessment of systems, acceptance of change and indeterminacy, and searches for usefulness and utility out of the leftover, neglected or remainder. Resilient actions can be taken at different scales — from a building to the site, from the neighborhood to the city, the region and beyond.



History of the Latrobe Prize

In 2000, the College of Fellows established a grants program in research intended to serve as a catalyst for significant investigation into issues important to the profession. The program began as the Latrobe Fellowship with the initial grant of \$50,000.

In 2003, the grant was increased to \$100,000 to be given over a two year period, and, in 2007, was renamed the Latrobe Prize.

2001

Stephen Kieran and James Timberlake
Research into new material development and application, concluding with the publication of *Refabricating Architecture*

2003

Fundamental Neuroscience Research and Development for Architecture
Principal Investigator: Academy of Neuroscience for Architecture

2005

Developing an Evidence-Based Design Model that Measures Human Response: A Pilot Study of a Collaborative, Trans-Disciplinary Model in a Healthcare Setting
Principal Investigator:
Chong Partners Architecture, in partnership with Kaiser Foundation Health Plan, Inc. and the University of California, Berkeley

2007

On the Water, A Model for the Future: A Study of New York and Jersey Upper Bay
Principle Investigators:
Guy Nordenson; Princeton University with Stanley T. Allen, AIA;
Catherine Seavitt, AIA; James Smith and Michael Tantala, Tantala Associates; Adam Yarinsky and Stephen Cassell, Architecture Research Office

2009

Growing Energy/Water: Using the Grid to Get Off the Grid
Principal Investigators:
Martin Felsen, AIA, and Sarah Dunn

2011

Public Interest Practices in Architecture
Principal Investigators: Bryan Bell, Roberta Feldman, Sergio Palleroni and David Perkes, AIA

2013

Urban Sphere: The City of 7 Billion
Principal Investigators:
Joyce Hsiang, Assoc. AIA, and Bimal Mendis, Assoc. AIA.

Submission Information

Jury:

Stephen T. Ayers, FAIA

Angela Brooks, FAIA

David Cronrath, AIA, Chair

Albert W. Rubeling Jr., FAIA

Roger Schluntz, FAIA

Katherine L. Schwensen, FAIA

John R. Sorrenti, FAIA

Larry Speck, FAIA

Evaluation Criteria

Relevance of the proposed research program to the general goals and objectives of the College of Fellows, the Latrobe Prize program, and the 2015 theme

Breadth, depth, and innovativeness of the research programs

Projected applications of research outcomes to practice

Benefits of research outcomes to professional and public constituencies

Qualifications, expertise, prior achievements, maturity, and performance record of the applicant(s)

Demonstrated capacity to administer a sustained research program, including the formulation and management of the budget

Presence of matching funds in the proposal

Quality and content of supporting documentation

Quality and content of letters of reference

First Stage

Open call for preliminary proposals.

All proposals must be postmarked on or before October 1, 2014 must include:

Mail all materials to:

Latrobe Prize Jury
College of Fellows
The American Institute of Architects
1735 New York Avenue, NW
Washington, DC 20006-5292

Send electronic entries to:
cof@aia.org

Title page

Title of project

Name(s) and institutional affiliation(s) of principal investigator(s)

Keywords

Date of submission

125-word abstract summarizing the topic of proposed research — the questions, problems, or conditions that stimulate the research; the scope of work; and the expected outcomes of the project

Description

500-word expository description of the topic, scope, and projected outcomes of the proposed work; institutional context of the research (e.g. team composition, facilities, travel, institutional support); and proposed plans to disseminate the results of the research once complete.

Preliminary Budget

Itemized use of the \$100,000 grant (e.g. salaries, release time, research assistance, travel, equipment, supplies, software, etc.) and any matching funds that will be provided by other funding sources.

Schedule of production

Timeline of the proposed program of research, including expected deadlines for the publication of preliminary results.

Supporting documentation

CV(s) of the principal investigator(s).
Detailed letter of support from the applicant's supervising unit head or chief executive or chief academic officer of the department, college, university, company, or corporation, as appropriate.

Supplemental documentation

Maximum of 20 pages of additional documentation directly related to the proposed research program (e.g. copies of relevant writings; completed or speculative creative work or building design; or other documentation that establishes unique expertise and qualification(s)).

All proposals: 8.5 x 11 inch paper size, 30 pages maximum.

Second Stage

Invited short list only

All submissions must be postmarked on or before January 16, 2015 and must include:

Title Page

Name of project

Name(s) and institutional affiliation(s) of principal investigator(s)

Keywords

Date of submission

250-word abstract summarizing the topic of proposed research — the questions, problems, or conditions that stimulate the research; the scope of work; and the expected outcomes of the project

Description

10-page illustrated narrative that answers the following questions:

What problems does this proposal seek to address?

How does this project stimulate the transformation of future practices?

How will the proposed program of research influence practitioners?

How will the proposed program of research benefit clients and the public?

Supplemental Documentation

Five letters of recommendation, including at least one submitted by a member of the College of Fellows.

Interview with the Jury

The College of Fellows

2014 College of Fellows Executive Committee

Chancellor

William J. Stanley III, FAIA

Vice Chancellor

Albert W. Rubeling Jr., FAIA

Bursar

John R. Sorrenti, FAIA

Secretary

Lenore M. Lucey, FAIA

The College of Fellows

The College of Fellows, founded in 1952, is composed of members of the Institute who are elected to Fellowship by a jury of their peers. Fellowship is one of the highest honors the AIA can bestow upon a member. Elevation to Fellowship not only recognizes the achievements of the architect as an individual, but also elevates before the public and the profession those architects who have made significant contributions to architecture and to society.

The College of Fellows seeks to stimulate a sharing of interests among Fellows, promote the purposes of the Institute, advance the profession of architecture, mentor young architects, and be of ever-increasing service to society.

For more information:

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