



Latrobe

2017

Adaptive Reuse and
Regenerative Buildings



Prize

The AIA College of Fellows invites individuals and teams to submit proposals for the 2017 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

\$ 100,000

Research Theme:

Adaptive Reuse and Regenerative Buildings

re gen er a tive

[ri-jen-er-uh-tiv, -uh-rey-tiv]

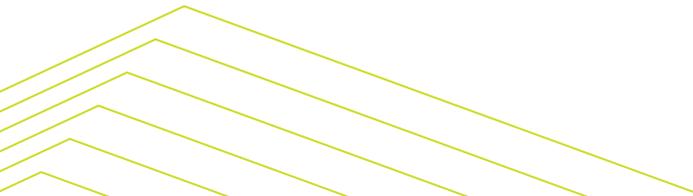
the power or ability to re-create,
reconstitute, or make over,
especially in a better form
or condition

Adaptive Reuse and Regenerative Buildings

Today's buildings are typically designed with building function and occupant in mind, traditionally focused on a particular use case. At the same time, the energy efficiency movement has made projects more efficient than ever. We are also recognizing that a building is merely one component of a larger environment—an environment that is rapidly changing. Buildings need to adapt to these changes, something we should be more acutely aware of than ever before.

With escalating and erratic climate shifts, material limitations and innovations, re-dedication to other uses, and changing economic stability, a building can be created in order to adapt to these changes. To that end, this year's Latrobe Prize is dedicated to supporting research that can help advance the work of creating more adaptive/regenerative building. Examples are addressing buildings to be able to adapt to changing environments, and changing building uses.

This research and report should be directed to practical use by both architects and architectural students. Even buildings which are to maintain their original purpose and use must be able to easily and readily adapt to the changes in technology which now occur in shorter and shorter periods of time. The architectural community must adapt to this new world.



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

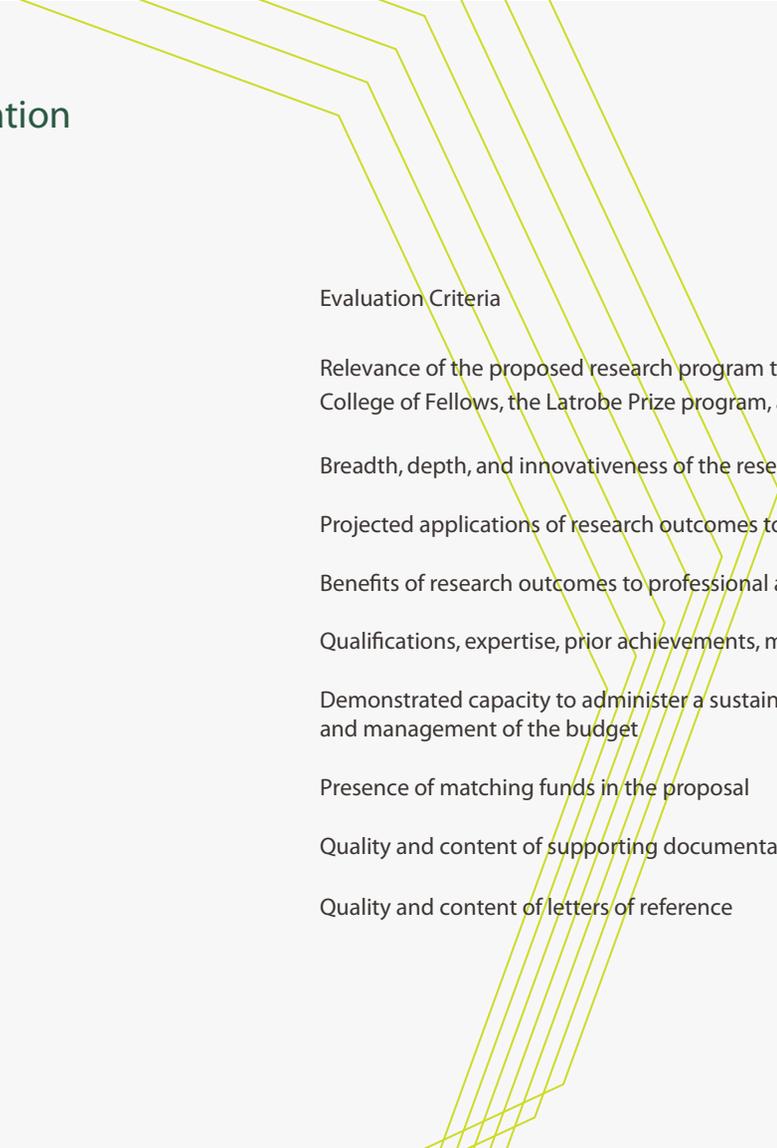
2009
Growing Energy/Water: Using the Grid to Get Off the Grid
Principal Investigators: Martin Felsen, AIA, and Sarah Dunn

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

2015
Drylands Resilience Initiative: Digital Tools for Sustainable Urban Design in Arid and Semi-Arid Urban Centers
Principal Investigators: Hadley Arnold, Peter Arnold

Submission Information



Jury:	Evaluation Criteria
Stephen T. Ayers, FAIA	Relevance of the proposed research program to the general goals and objectives of the College of Fellows, the Latrobe Prize program, and the 2017 theme
Frank M. Guillot, FAIA	Breadth, depth, and innovativeness of the research programs
Sylvia Kwan, FAIA	Projected applications of research outcomes to practice
Lenore M. Lucey, FAIA	Benefits of research outcomes to professional and public constituencies
Jud Marquardt, FAIA	Qualifications, expertise, prior achievements, maturity, and performance record of the applicant(s)
Raymond G. Post, FAIA	Demonstrated capacity to administer a sustained research program, including the formulation and management of the budget
Kate Schwennsen, FAIA (chair)	Presence of matching funds in the proposal
Marilyn Jordan Taylor, FAIA	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
September 6, 2016 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.

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

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. Please include any future revenue-
sharing projections that will financially benefit the
AIA College of Fellows.

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, 2017 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 be applied to architectural practice?

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

2016 College of Fellows
Executive Committee

Chancellor
John R. Sorrenti, FAIA

Vice Chancellor
Lenore M. Lucey, FAIA

Bursar
Raymond G. Post, FAIA

Secretary
Edward A. Vance, 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:

Terri S. Stewart, Hon, AIA, CAE
Executive Director, COF
202-626-7464
tstewart@aia.org
www.aia.org/cof