HERE+NOW: A House for the 21st Century
STUDENT DESIGN COMPETITION for the 2016-2017 academic year.

Administered by the Association of Collegiate Schools of Architecture (ACSA) and sponsored by AIA, CRAN, this program is intended to provide architecture students, working individually or in teams, with a platform to explore residential architecture and residential architectural practice.

OPPORTUNITY:
According to a US Census, over 920,000 units of single family housing were completed in 2014. Many of these houses were built speculatively, as a generic prototype independent of context. Historically, Residential Architecture has represented a direct expression of culture and context, with local, vernacular elements informing the stylistic preference of the time. While the exterior of a house presents a more individualized image of its owner(s), the underlying design elements speak to broader cultural ideas of domesticity and family. Technological innovation, both in materials and systems, continues to advance the level of energy efficiency and resiliency in homes designed and built today. This competition challenges students to envision a house for HERE+NOW: informed by context, culture, and vernacular, but fully embracing 21st century technology and ideas of domesticity.

Design:
The design of the house for HERE+NOW should reflect an innovative, creative, environmentally responsible, and culturally sensitive approach to issues of domesticity. The proposal should take a strong conceptual position about housing and designing within a specific context.
The Structure of the Studio:

**Phase 1:** Taking the key words derived from the competition brief, students will be challenged to develop a “Strong Conceptual Position” to define what “HERE and NOW” means to them or a client (either imagined or real). During this stage the first requirement of the competition needs to be articulated in a 500 word essay.

**Phase 2:** With a clear sense of what a “client” desires each student is to identify a real location on which they will develop a schematic design with program elements that will satisfy the needs of their “client”. The extensive use of study models is expected during this phase of the design.

**Phase 3:** Design Development: During this phase of the project students will need to ensure all projects satisfy the minimum requirements of the IECC and IRC. Critical wall assemblies will require study in detailed in physical or digital models.

**Phase 4:** Presentation and Submission: Throughout the semester all printed reviews will be required in the format of the final submission (20” x 20”). Designers are encouraged to present more than the require 4 boards at the midterm stage allowing editing and a distillation of thoughts and ideas towards the final printed review and digital submission.

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<th>FIRST PRIZE</th>
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**Key Words:** Strong Conceptual Position, Technological Innovation, Energy Efficiency, Resiliency, Culturally Sensitive,
Program:
The program area or the combined programs of the house. Students are encouraged to explore creative / innovative approaches to programmatic arrangement and distribution. Space allocation should be appropriate to the design proposal and the needs of the client.

Interior Program Spaces:
Sleeping areas - minimum of 2
Bathroom facilities - minimum of 1 (toilet, lavatory, bath or shower)
Kitchen area for food preparation
Living area for relaxation / socialization

Exterior Program Spaces
Consideration should be given to the relationship between interior and exterior spaces of the home and what role (if any) exterior space should play in the design of the home. Transportation and connectivity should be addressed as an integral component of the overall design strategy. Appropriate space should be allocated for issues such as vehicle parking (bike /car /other) where required.

Integrated Design:
Design proposals should reflect a clear conceptual strategy which is resolved in built form at a detailed level. There are no restrictions or limitations in the use of materials or building systems. However, projects should be developed with an integrated approach to materials and systems and should reflect an understanding of the characteristics, advantages, and limitations of the materials selected. CRAN is committed to promoting the value of design irrespective of style. Residential architects tend to work in a variety of styles based on input from clients, local building traditions, and regulatory requirements. As in professional practice, design proposals should responsibly address the needs of the client, context, climate, and culture of the area. Design proposals should be informed by historic precedent, but should represent contemporary ideas of domesticity and building science. Through renderings and elevations, the proposals should demonstrate qualities such as materials, texture, and color. Equal consideration should be given to the arrangement and articulation of exterior form and interior spaces.
Code Information:
Refer to the International Residential Code and local zoning ordinances for information on height restrictions, setbacks, easements, flood, and life safety requirements. Consideration should be given to issues of Accessibility and the principles of Universal Design. For guidelines, refer to ANSI 117.1 (2009).

Criteria for Judging:
Submissions must clearly address the requirements of the program. In addressing the specific issues of the design challenge, submissions must demonstrate the proposals response to the following requirements:

- A strong conceptual strategy resolved in a coherent, integrated design proposal
- An understanding of the physical characteristics of the site and the local climate
- A compelling response to the physical, emotional, and cultural needs of the inhabitants
- A clear understanding and resolution of tectonic issues
- An informed position on vernacular and historic precedent

Site: The proposal is to be a 1 or 2 family dwelling on a site of your or your faculty sponsors choosing. Sites may be real or conceptual, but must be identified within the following parameters:

- Sites must be within the (6) Climate Zones outlined in the International Energy Conservation Code
- Sites must further be identified as Rural, Suburban, or Urban

CLIENT
One of the critical components of practicing as a residential architect is client interaction. Unlike many commercial buildings, residential clients typically are the owners and occupants of the home. This personal connection to the work often leads to a very collaborative design process between the architect and the client. For the purposes of this competition, entrants may assume an individual or multi-occupant scenario based on the design concept and site constraints. Entrants may choose to further develop their client profile based on research into local demographics and population trends to better inform the design. Entrants must outline the client selection and rationale in the Design Essay
**Required Submission:** Submissions must include, but are not limited to, the following required drawings: Three-dimensional representations in the form of axonometrics, perspectives, montages and/or physical model photographs which illustrate the character of the project.

**Site Plan** showing proposal in context with surrounding buildings or natural elements (as appropriate) that illustrate details of access and circulation.

**Building / Site sections** which illustrate key aspects of site, context, and major spatial or programmatic elements.

**Floor Plans** to show the interior spatial arrangement and program elements.

**Elevations** demonstrating qualities such as materials, texture, and color.

**Large scale drawing(s),** either orthographic or three-dimensional, that illustrate innovative details or integrated aspects of design.

**Four (4) digital boards at 20” x 20”**

A design essay or abstract (500 words max) containing site selection, client description, and design concept. Incomplete or undocumented submissions will be disqualified. All drawings should be presented at a scale appropriate to the design solution and include a graphic scale for reference. The site plan should include a north arrow.