

competition[STUDIO] Arc 571, Section Hemingway, FA 2020

2021 COTE Competition

Architects play a crucial role in addressing both the causes and effects of climate change through the design of the built environment. Innovative design thinking is key to producing architecture that meets human needs for both function and delight, adapts to climate change projections, continues to support the health and well-being of inhabitants despite natural and human-caused disasters, and minimizes contributions to further climate change through greenhouse gas emissions. Preparing today's architecture students to envision and create a climate adaptive, resilient, and carbon-neutral future must be an essential component and driving force for design discourse.

Given their long lifespan, new buildings must be designed to address solutions to climate change and to respond to its projected impacts, well into the second half of the 21st Century and beyond. As with the COTE Top Ten award for built work by design professionals, COTE Top Ten for Students allows designs to be characterized in terms of 10 measures ranging from Community to Water to Wellness.

Full Competition Program will be posted online in late summer 2020.

ABOUT THE COMPETITION

The **American Institute of Architects Committee on the Environment (AIA COTE)**, in partnership with the **Association of Collegiate Schools of Architecture (ACSA)**, is pleased to announce the seventh annual AIA COTE Top Ten for Student Competition. The program challenges students, working individually or in teams, to submit projects that use a thoroughly integrated approach to architecture, natural systems, and technology to provide architectural solutions that protect and enhance the environment. The competition will recognize ten exceptional studio projects that seamlessly integrate adaptive, resilient, and strategies for moving towards carbon-neutral operation within their broader design concepts.

CRITERIA FOR JUDGING

Successful responses should demonstrate design moving towards carbon-neutral operation through a creative and innovative integration of design strategies such as daylighting, passive heating and cooling, materials, water, energy generation, and other sustainable systems, through a cohesive and beautiful architectural understanding. Issues to consider include community enhancement, land use and effect on site ecology, bioclimatic design, energy and water use, impact on health and wellness, approach to environmental quality, materials and construction, adaptation, long-life considerations, and feedback loops. Entries will also be judged for the success and innovation that the project has met the COTE Top 10 Measures, adaptation, and resilience, with particular emphasis on design excellence.