Loom Portal is a proxy for the covered windows in the galleries at Laumeier Sculpture Park in St. Louis, Missouri. A commissioned installation for the gallery, Loom Portal is conceived as a light retention and transmission device that grafts onto the facade of the building, establishing a real-time interface between the segregated interior and exterior environments. This simple interface is expanded, thickened and made visible through the organization logistics of light transfer. Eight hundred light-gathering mirrors sample the exterior light and color from the park landscape and carry the sampled light through eight miles of fiber-optic filament. Technology appropriated from Ikat weaving, a traditional Javanese textile, guides the Grasshopper definitions used to expand and reorganize the fiber filament from the initial forty-by-twenty grid of exterior light-sampling mirrors and allow shifts as the filament passes through the “loom.” The loom, which consists of a wood frame and two heddles hanging from the ceiling, stretches and reorganizes the fiber filaments to terminate at a diffusing screen that displays the sampled light through an array of “pixels.” Installed as a didactic transmission device, Loom Portal emits ambient light into the interior of the gallery, forming a constant echo of the exterior environmental conditions.
LOOM PORTAL

CHRISTINE YOGIAMAN is a founding partner of Yogiaman Tracy Design, which currently designs projects in Indonesia, focusing on the use of digital techniques along with contextual influences to create culturally embedded, affective work. By combining labor-intensive acts in craft culture with rule-based, digital frameworks, these projects multiply the everyday to intensify space. Christine started her tenure at Washington University’s Graduate School of Architecture, Urban Design and Landscape in 2009 where she coordinated the graduate core studios and representation curriculum. Yogiaman is currently an Assistant Professor at the American University of Sharjah. Christine won 3rd place in the 2012 Steedman International Design Competition, and 1st place in the 2012 TEX-FAB APPLIED: Research through Fabrication competition.

KEN TRACY directs Yogiaman Tracy Design whose projects in the United States and Indonesia include “Cast Thicket,” the winning proposal for the international 2012 TEX-FAB APPLIED: Research through Fabrication competition. Formerly, Tracy was founding partner at Associated Fabrication, a design and fabrication company based in Brooklyn, New York, whose clients include Zaha Hadid, the Vancouver 2010 Winter Olympics, Chanel, KAWS, Vito Acconci and the Museum of Modern Art. As a Visiting Assistant Professor at Washington University’s Graduate School of Architecture, Urban Design and Landscape Tracy established the Digital Initiative Lab (DIL), a facility for large-scale digital fabrication while teaching studios and developing integrated, digital core-curriculum. He has previously taught at the Pratt Institute, Columbia University and the New Jersey Institute of Technology. Most recently Tracy has been appointed to the faculty of the American University of Sharjah as an Assistant Professor.