*Please submit this completed application and any relevant supporting documentation by the deadline listed on the SSC website to* *Sustainability-Committee@Illinois.edu**. The Working Group Chairs will be in contact with you regarding any questions about the application. If you have any questions about the application process, please contact the Student Sustainability Committee at* [*http://sustainability-committee@illinois.edu.*](http://sustainability-committee@illinois.edu.)

**General Information**

Project Name: What are you walking on?

Total Amount Requested from SSC: $10,000

Project Topic Areas: [x]  Land & Water [x]  Education [ ]  Energy

[ ]  Transportation [x]  Food & Waste

**Contact Information**

Applicant Name: Stan Ruecker

Unit/Department or RSO/Organization: School of Art and Design

Email Address: sruecker@illinois.edu

Phone Number: 312-882-4793

Project Team

|  |  |  |
| --- | --- | --- |
| *Name* | *Department/Organization* | *Email* |
| Natalie Smith | Art and Design | nataliefsmith@me.com |
|  |  |  |
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|  |  |  |

Financial Contact’s Name: Heidi Hardenbrook

Faculty/Unit/Department: School of Art and Design

Email: hhardenb@illinois.edu

Phone: (217) 333-8305

(If Applicable)

Facilities Manager Name:

Email:

Phone:

**Project Information**

*Provide a brief background of the project, its goals, and the desired outcomes.*

The purpose of this project is two-fold. First, we want to increase student awareness of the ubiquitous nature of concrete, asphalt, and brick, along with their negative environmental impacts. Second, we want to provide information about alternative materials that use local waste, especially crop residues, as the basis for next-generation bricks. Finally, we plan to provide students with the experience of walking on alternative materials through a showcase walkway.

*How will this project improve sustainability at UIUC?*

In the short term, the goal is to provide students with an experience of working with sustainable materials and considering how they might change the experience of urban walking. In the longer term, the showcase walkway will contribute to the data we are collecting on seasonal effects, as we move toward the design and development of a locally-sourced production process.

*Where will the project be located? Do you need special permissions to enact the project at this site? If so, please explain and attach a letter of support to your application.*

Mark Taylor of Architecture has agreed to provide the location next to his Solar Decathlon house for the showcase walkway.

*Other than the project team, who will have a stake in the project? Please list other individuals, groups, or departments indirectly or directly affiliated to this project. This includes any funding entities (immediate, future, ongoing, etc.) and any entities that will be benefiting from this project.*

The School of Art and Design will provide the facilities for manufacturing the bricks. The Krannert Art Museum will assist through scheduling use of the Link Gallery.

*Please indicate how this project will involve or impact students. What role will students play in the project?*

Natalie Smith (MFA Design 2020) will lead the project from its inception, including the choice of bio-waste materials and the production of bio-bricks, the design and implementation of information, and the installation of the pop-up gallery display in the LINK area of Krannert Art Museum. She will also be responsible for the bio-brick walkway on campus, which is intended to allow students and others to have the experience of using paths that are not made using concrete or asphalt. Students will choose the materials, design and create the information displays, and manufacture and install the showcase walkway that uses sustainable alternative materials as paving blocks.

*Have you applied for funding with SSC previously? If so, for what project?*

No—this is the first application.

**Scope, Schedule, and Budget verification**

*What is the plan for project implementation? Describe the key steps of the project including the start date, target completion date, target date for submitting a final report, and any significant tasks or milestones in the table below. Please be as detailed as possible.*

Jan 15-March 15: prepare bricks and information for pop-up display.

Jan 15-March 15: test physical properties of various materials and select pathway materials.

March 15-31: install and present interactive information display on bio-bricks, local sourcing of materials, and sustainable use of crop residues for various purposes.

April 1-Aug 15: manufacture and install showcase pathway.

Aug 15-Dec 31: monitor fall and winter seasonal effects on the pathway

Jan 15, 2018: final report

*List all budget items for which funding is being requested. Include cost and total amount for each item requested. Please be as detailed as possible.*

Student salaries for spring ($4000), summer ($2000), and fall ($4000) will cover:

1. Sustainable bio-brick manufacturing
2. Information design
3. Display construction, installation, and removal
4. Showcase walkway installation, monitoring, and removal

TOTAL Requested: $10,000

*If the project is implemented, will there be any ongoing funding required? What is the strategy for supporting the project in order to cover replacement, operation, or renewal costs? (Note: SSC provides funding on a case by case basis and should not be considered as an ongoing source of funding)*

Because this is a demonstration installation, there will not be a need for ongoing funding.

*Please include any other sources of funding that have been obtained or applied for, and please attach any relevant letters of support.*

My MFA advisor, Stan Ruecker, has agreed to cover the materials costs of the project. I estimate these at $1000. He is the contact person for this application.

*What is the plan for publicizing the project on campus? In addition to SSC, where will information about this project get reported?*

We plan to circulate the report as widely as possible, ideally through the currently faculty members of the Design Research Initiative. The departments involved are:

* Art and Design
* Architecture
* Landscape architecture
* Music

In addition, we will have a display through the Krannert Art Museum Link Gallery