



# ICAT

## Rapid Response Grants



### Submission Due Date

May 1, 2020 (5:00pm EST)



### Awards Announced

May 15, 2020

### SUMMARY

The connection between people separated by distance has been a research interest of the Institute for Creativity, Arts, and Technology (and its Centers for Human Computer Interaction and for Educational Networks and Impacts) for a while, but the COVID-19 pandemic has amplified this challenge and increased its urgency. Given this, ICAT is implementing a rapid response call in three areas of immersive connections for up to \$10,000 per area:

### CHALLENGE

To connect people across distance using technologies and human centered approaches to support:

- 1** Collaborative research across faculty and students ultimately supporting the university's research enterprise.
- 2** Collaborative education across k-12 - possibly partnering with our liaison network.
- 3** Collaborative performance and exhibition amongst the arts community.

The goal will be to have a working demonstration by summer's end. ICAT will give preference to proposals led by faculty that will support student work in the summer.

The Institute for Creativity, Arts, and Technology (ICAT) brings together scientists, engineers, artists, and designers to tackle some of the world's most complex challenges and opportunities. Powered by advanced technology and networks of creative people, ICAT brings together and supports teams of faculty and students from across academic disciplines to address particular needs and opportunities, ranging from large societal problems to industry-specific issues.

## ELIGIBLE INVESTIGATORS

All faculty members at Virginia Tech are invited to submit an application and lead a project team. We're looking for individuals or teams of faculty that are pursuing multidisciplinary approaches to the challenges listed above, with preference given to projects that include PIs from two or more colleges. We also are supporting partnerships between Virginia Tech and formal and informal education communities in southwest Virginia.

ICAT celebrates the critical importance of diverse teams of scholars. We want to encourage the diversity of our research teams as much as we can. ICAT is dedicated to InclusiveVT — serving in the spirit of community, diversity, and excellence to create a community that nurtures learning and growth for all of its members. See Virginia Tech's Principles of Community ([inclusive.vt.edu](http://inclusive.vt.edu)) for more information.

## GRANTS AVAILABLE

To connect people across distance using technologies and human centered approaches to support:

- 1** Collaborative projects among faculty and students supporting the university's transdisciplinary mission, especially pathways and destination area initiatives.
- 2** Collaborative projects that connect students, educators, and/or researchers across VT, K-12, and workforce partners, with the opportunity to partner with and build our liaison network. \*
- 3** Collaborative performance and exhibition amongst the arts community.

\* *The VT-K12 Liaison Network includes representatives embedded at Virginia Tech and educational sites in our region, including Montgomery County Public Schools, Radford City Public Schools, Floyd County Public Schools, and the Science Museum of Western Virginia.*

## SUBMISSION GUIDELINES

### Step 1

- Complete team information**
- PI Name, Email, Home Department
  - Team Member Names, Emails, Home Departments
  - Description of project role for each team member

### Step 2 Proposal Document (PDF submission to Melissa Wyers at [mwyers68@vt.edu](mailto:mwyers68@vt.edu))

Please address each section in your proposal using Times New Roman 12 pt. font. Proposal should be limited to five pages, including images.

---

<b>Statement of Need/ Project Description</b>	<ul style="list-style-type: none"><li>- Listing of research areas involved (see first page)</li><li>- Statement of innovation</li><li>- Linkage to ICAT mission and goals</li><li>- Where project work will happen and if technical resources from ICAT are needed</li></ul>
<b>Methods and Strategies</b>	<ul style="list-style-type: none"><li>- Describe the activities that will be conducted as part of your project</li></ul>
<b>Goals and Objectives</b>	<ul style="list-style-type: none"><li>- Describe the overall outcome your project aims to achieve</li><li>- Describe project outputs</li><li>- Describe plans for future funding, exhibition, etc.</li></ul>
<b>Plan for Evaluating Project Success</b>	<ul style="list-style-type: none"><li>- Describe how you will determine if your project has been successful</li><li>- Describe anticipated outcomes and deliverables</li></ul>
<b>Timeline</b>	<ul style="list-style-type: none"><li>- Timeline should begin after May 15, 2020 and end by August 9, 2020</li><li>- Budget and Budget Justification<ul style="list-style-type: none"><li>- Total budget request - not to exceed \$10,000</li><li>- Budget justification and amounts requested for:<ul style="list-style-type: none"><li>- Student time</li><li>- Faculty summer salary</li><li>- K12 Educator time</li><li>- Equipment</li><li>- Materials and supplies</li></ul></li></ul></li></ul>

---

## FUNDING INFORMATION

- Funds will be awarded to the PI's home department unless otherwise authorized by ICAT. All project expenses must be posted to Banner within 30 days of the project's end date.
- Unspent funds must be transferred back to ICAT within 45 days of the project's end date.
- Funds will not be awarded for conference travel, food, outside artist fees, or honorariums.
- Funds may be used for equipment, software, materials, student and/or faculty time.

## EXPECTATIONS OF FUNDED PROJECTS

**Funds:** ICAT will transfer funds to PI's home department E&G fund upon acceptance of project. Any unspent funds should be returned to ICAT by September 1, 2020. Please have your departmental fiscal representative contact Melissa Wyers at [mwyers68@vt.edu](mailto:mwyers68@vt.edu).

**Equipment:** ICAT will have first option on the disposition of ownership of all materials, supplies, and equipment. Equipment not owned or maintained by ICAT will be returned to the project PI with the understanding that ICAT will have access to said equipment, pending request and availability.

**Reporting:** Project updates should be submitted to ICAT during the project's duration. A final two- to three-page report that describes project outcomes and how the funds were expended will be submitted to ICAT no more than 30 days after project completion. A final report template will be provided by ICAT for completion and will be submitted to Melissa Wyers at [mwyers68@vt.edu](mailto:mwyers68@vt.edu).

**ICAT Engagement:** Representatives from each project are expected to participate in outreach and engagement, including giving an ICAT Playdate presentation to showcase the project, as well as participation in the upcoming ICAT Creativity and Innovation Day in the year the project is funded. Projects may also be considered for display during ICAT's Open (at the) Source exhibition each spring, the Virginia Tech Science Festival, the Science Museum of Western Virginia, school tours, and Hokies Like Us field trips, as feasible and appropriate.

**Resources:** It is expected that the investigators have all resources (space, equipment, etc.) necessary to complete their project, with the exception of the items and personnel requested in the proposal.

**University policy:** All university policies and procedures must be observed.

**Logo:** The official Virginia Tech/ICAT logo can be provided upon request.

## REVIEW CRITERIA

The proposals will be reviewed by the institute director, associate director, and ICAT senior fellows, and then evaluated based on the following criteria:

- |          |                                                    |          |                                                     |
|----------|----------------------------------------------------|----------|-----------------------------------------------------|
| <b>1</b> | Intellectual merit and innovation                  | <b>6</b> | Potential channels to advance the proposed research |
| <b>2</b> | Interdisciplinary nature of the team               | <b>7</b> | Timeline feasibility                                |
| <b>3</b> | Potential for expanding ICAT networks              | <b>8</b> | Clear outcome and deliverables                      |
| <b>4</b> | Correlation to the mission of ICAT and its studios | <b>9</b> | Alignment with project categories and/or themes     |
| <b>5</b> | Broader impacts of the project                     |          |                                                     |

Awards will be announced by **May 15, 2020**.