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## Fall 2008 Strategic Initiative Grant Awards

**Overview:**

In Fall 2008, CIT offered a grant program to support faculty developing instructional technology projects which fit with Duke or their school's strategic goals. The program application requested that faculty tie their ideas to one or more of Duke strategic goals, but otherwise was left fairly open-ended in order to encourage a wide variety of proposals. Proposals for projects involving more than one faculty member or department, or those affecting larger numbers of students, were to be weighted more highly than those without these characteristics (see [program information](#)).

Through this program we funded 4 grants, which will focus on:

- Learning how best to use e-portfolios for student and program assessment (Center for Latin American and Caribbean Studies)
- Developing new methods to use media technologies to teach archeology and art history (Art, Art History and Visual Studies)
- Developing new mapping and imaging techniques for use in African field situations (Information Science and Information Studies)
- Designing methods to convert 2D video recordings of dance movements into 3D movement archives (Dance Program and Electrical and Computer Engineering)

Total project funding \$22,430 this fiscal year, with \$2,000 potential travel and dissemination funding in 2009-10.

**Grant process and applications:**

CIT requested an initial basic application, of which we received seven. CIT's consultants met or talked with the applicants in order to determine whether to request a more detailed full application, route the application to another CIT funding option, or decline the application. After the initial applications, CIT requested and received 5 full applications, declined 1 application, and one application was withdrawn.

The CIT and the grant review committee (CIT Advisory Board) approved 4 of the full applications (full or partial funding), and declined one.

	Phase 1				Phase 2	
	Total initial apps rec'd	CIT request full app.	CIT offered support via other means	Proposal w/drawn or postponed	CIT funded	Active proj.
Arts & Sciences	6	5	0	1	4	4
Medicine	1	0	0	0	0	0
<b>Total</b>	<b>7</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>4</b>

**Brief synopses of active strategic initiative grant projects**

**Antonio Arce, Center for Latin American and Caribbean Studies, Arts & Sciences**

*Latin American and Caribbean Studies ePortfolio: Measuring Student Learning Outcomes with New Technology*

Arce and the Center for Latin American and Caribbean Studies plans to develop a way to measure student learning and programmatic outcomes using Chalk and Wire's ePortfolio2 software. They plan to work closely with the Trinity College Office of Assessment and CIT to help create a model that may work

for other centers, programs, and possibly disciplines.

**Funding:** \$2,750 + \$500 potential future funding for travel and dissemination of project results.

**Caroline Bruzelius, Art, Art History and Visual Studies, Arts & Sciences**

*A new course for Duke undergraduate and graduate students: "WIRED! New Representation Technologies for Historical Materials: Fusing Creativity with Scholarship and Communication*

Bruzelius and colleagues Mark Olson (John Hope Franklin Center), Sheila Dillon (Art, Art History and Visual Studies), Rachael Brady (Electrical and Computer Engineering) and Raquel Salvatella de Prada (Art, Art History and Visual Studies) will design a new course for undergrads and grad students, to teach a new media toolset that addresses some key representational issues in the historical study of material culture, including the representation of architectural change over time; the geo-spatial distribution of material artifacts in relation to the landscape; and reconstructive techniques that extrapolate a "whole" from a "part" (reconstructing a statue from a statue fragment, for example). They also will build a website to display the 3D models they will have students design.

**Funding:** Software and equipment equivalent to \$2,400 will be provided, + \$500 potential future funding for travel and dissemination of project results.

**Victoria Szabo, Information Science and Information Studies, Arts & Sciences**

*Multimedia Map Interfaces for Research and Discovery*

The ISIS program proposes a mapping project to be undertaken jointly by Duke (through ISIS and DukeEngage), WISER, and members of the local Kenyan community. Szabo's plan is to document and map features like health centers, water supplies, living conditions, road conditions, and school locations using GPS-enabled cameras and trackers. ISIS students will then assemble this media content into an information-rich Google-Earth based map environment to be used in school and community center planning, fundraising, outreach, and education. The process of map-making will be documented and DukeEngage and WISER students trained to continue the process in Africa, and to train local community members.

**Funding:** \$10,040 + \$500 potential future funding for travel and dissemination of project results.

**Tyler Walters, Dance Program, Arts & Sciences**

*Duke Dance Database: Creation of a Digital Multimedia Archive for Live Dance Performance*

Walters and colleague Martin Brooke (Electrical and Computer Engineering, Pratt School of Engineering) will video capture 2D ballet movements; create a web-based archive of these videos; add 3D enabling data to the 2D video; extract 3D dance representations from augmented video; and explore virtual worlds for 3D dance data retrieval.

**Funding:** \$6,300, plus provision of 4 video cameras on loan (purchase of 1 camera for this loaner pool, \$940), + \$500 potential future funding for travel and dissemination of project results.

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